LANDA® HOT

SERVICE MANUAL

- HOT2-1100
- HOT4-2000
- HOT2-1500
- HOT3-1100
- HOT3-300

89172100-10

For technical assistance or the Landa Dealer nearest you, consult our web page at
www.landa.com

8.917-210.0

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
LOW OPERATING PRESSURE	Faulty pressure gauge	Install new gauge.
	Insufficient water supply	Use larger garden hose; clean filter washer at water inlet.
	Old, worn or incorrect spray nozzle	Match nozzle number to machine and/or replace with new nozzle.
	Plumbing or hose leak	Check plumbing system for leaks. Re-tape leaks with teflon tape.
	Faulty or mis-adjusted unloader valve (Where applicable)	Adjust unloader for proper pressure. Install repair kit when needed.
	Worn packing in pump	Install new packing kit.
	Fouled or dirty inlet or discharge valves in pump	Clean inlet and discharge valves.
	Worn inlet or discharge valves	Replace with valve kit.
LOW WATER TEMPERATURE	Soot buildup on coils not allowing heat transfer	Clean coils.
	Lime deposits on inside of coil	Delime coil.
WATER TEMPERATURE TOO HOT	Defective high limit switch	Replace.
	Insufficient water supplied	Check water G.P.M. to machine.
	Restricted water flow	Check nozzle for proper size or obstruction.
DETERGENT NOT DRAWING	Air leak	Tighten all clamps. Check detergent lines for holes.
	Valve in the injector head may be blocked, dirty or damaged	Clean or replace valve in injector.
	Filter screen on detergent suction hose plugged	Clean or replace.
	Dried up detergent plugging metering valve	Disassemble and clean thoroughly.
	High viscosity of detergent	Dilute detergent to specifications.
	Hole in detergent line(s)	Repair hole.
	Low detergent level	Add detergent, if needed.
	Variable pressure control handle set for high pressure	Turn variable pressure control handle to allow water to flow out of brass soap nozzle.
PUMP RUNNING NORMALLY BUT PRESSURE LOW ON INSTALLATION	Pump sucking air	Check water supply and possibility of air seepage.
	Valves sticking	Check and clean or replace if necessary.
	Unloader valve seat faulty	Check and replace if necessary.
	Nozzle incorrectly sized	Check and replace if necessary (See serial plate for proper size).
	Worn piston packing	Check and replace if necessary.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
FLUCTUATING PRESSURE	Valves worn	Check and replace if necessary.
	Blockage in valve	Check and replace if necessary.
	Pump sucking air	Check water supply and air see page at joints in suction line.
	Worn piston packing	Check and replace if necessary.
PUMP NOISY	Air in suction line	Check water supply and connections on suction line.
	Broken or weak inlet or discharge valve springs	Check and clean if necessary.
	Excessive matter in valves	Check and clean if necessary.
	Worn bearings	Check and clean if necessary.
PRESENCES OF WATER IN OIL	Oil seal worn	Check and replace if necessary.
	High humidity in air	Check and change oil twice as often.
WATER DRIPPING FROM UNDER PUMP	Piston packing worn	Check and replace if necessary.
	O-Ring plunger retainer worn	Check and replace if necessary.
	Pump protector	Reduce inlet water pressure. Do not close trigger on spray gun for longer than 1-2 minutes.
OIL DRIPPINGS	Oil seal worn	Check and replace if necessary.
MACHINE SMOKES	Improper fuel or water in fuel	Drain tank and replace contaminated fuel.
	Improper air adjustment	Readjust air bands on burner assembly.
	Low fuel pressure	Adjust fuel pump pressure to specifications.
	Weak fuel pump	Check fuel pump pressure. Replace pump if needed.
	Fuel filter partially cogged	Replace as needed.
	Soot build up on coils	Clean coils with soot remover.
	Lime build up in coils	Clean inside of coils using Landa's coil cleaner.
	Improper burner nozzle	See combustion assembly breakdown
WATER TEMPERATURE TOO HOT	Incoming water to machine warm or hot	Lower incoming water temperature.
	Fuel pump pressure too high	Lower fuel pressure.
	Fuel pump defective	Replace fuel pump.
	Detergent line sucking air	Tighten all clamps. Check detergent line for holes.
	Defective high limit switch	Replace.
	Incorrect fuel nozzle size	See exploded view parts list for proper size.
	Insufficient water supplied	Check G.P.M. to machine.
	Restricted water flow	Check nozzle for obstruction, proper size.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
BURNER LIGHT WILL NOT LIGHT	Disconnected or short in electrical wiring	All wire contacts should be clean and tight. No breaks in wire.
	Burner motor thermal protector tripped	If tripped, check voltage, connections, and extensions for cause. Check fuel pump shaft rotation for binding causing motor to overheat.
	Flex-coupling slipping on fuel pump shaft or burner motor shaft	Replace if needed.
	ON-OFF Switch defective	Check continuity through burner switch.
	Heavy sooting on coil and burner, can cause interruption of air flow and shorting of electrodes	Clean as required.
	Improper electrode setting	Clean and test according to diagram in Operators Manual.
	Fuel not reaching combustion chamber	Check fuel pump for proper flow. Check solenoid flow switch on machines with spray gun control, for proper on-off fuel flow control.
	Clogged burner nozzle	Replace.
	Water not turned on	Turn on water to activate burner flow switch.
	Fuel solenoid malfunction	Remove, test for continuity and replace as needed.
	Fuel solenoid malfunction	Replace if needed.
	Pressure switch malfunction	Test for proper operation. Replace if needed.
PUMP MOTOR STOPS AFTER A FEW MINUTES OF OPERATION OR STARTS SLOW	Insufficient voltage	Use heavier drop cord and check voltage at receptacle. Check name plate for amperage draw.
	Plugged nozzle	Remove and clean nozzle. Turn on water pump, flush lines, and replace nozzle.
	Wrong spray nozzle	See serial plate for minimum nozzle size.
	Automatic overload switch tripped	Allow motor to cool - then push Red reset button.
	Motor wet	Allow to dry.
	Short in electrical wiring	Wire contacts should be clean and tight. No breaks in wires.
	Coil liming up causing excessive pressure	See section on Preventative Maintenance.
	Water pump low or out of oil causing the pump to bind up	Fill to correct level.

PREVENTATIVE MAINTENANCE

This pressure washer was produced with the best available materials and quality craftsmanship. However, you as the owner have certain responsibilities for the correct care of the equipment. Attention to regular preventative maintenance procedures will assist in preserving the performance of your equipment. Contact your Landa, Inc. dealer for maintenance. Regular preventative maintenance will add many hours to the life of your pressure washer. Perform maintenance more often under severe conditions.

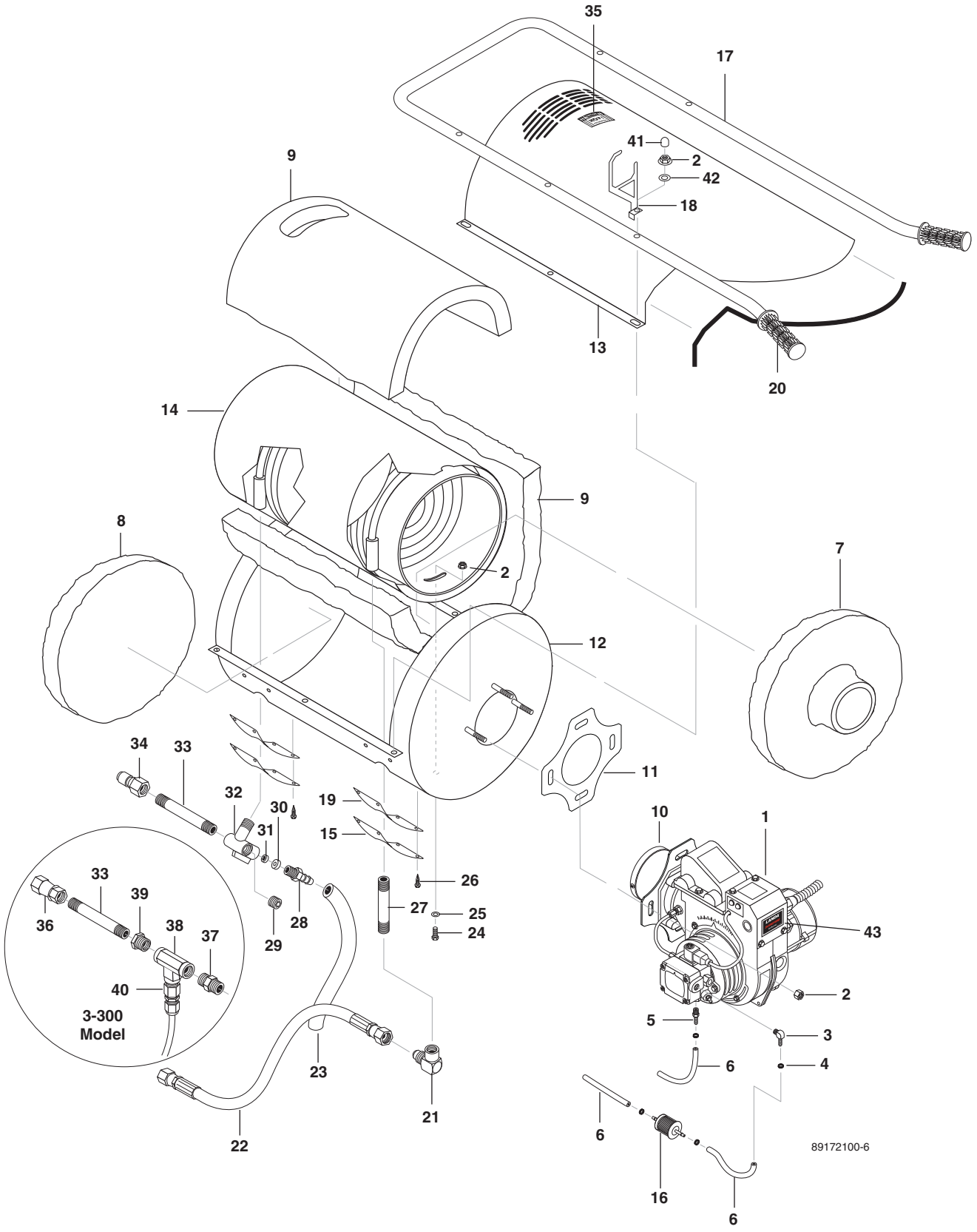
MAINTENANCE SCHEDULE		
Pump Oil	Inspect	Daily inspect the oil level
	Change	After first 50 hours, then every 500 hours or annually
Clean Burner Filter		Annually
Remove Burner Soot From Heating Coil		Annually
Check Belt Tension		Monthly
Descale Coil		Annually - (more often if required)
Replace High Pressure Nozzle		Every 6 months
Replace Quick Connects		Annually
Clean Water and Detergent Screen/Filter		Weekly
Clean Float/Supply Tank		Every 6 months
Replace HP Hose		If there is any sign of wear
Grease Motor		Every 10,000 hours
Check Burner Nozzles		Annually
Unloader Valve		Annually

OIL CHANGE RECORD

Date Oil Changed Month/Day/Year	Estimated Operating Hours Since Last Oil Change

Date Oil Changed Month/Day/Year	Estimated Operating Hours Since Last Oil Change

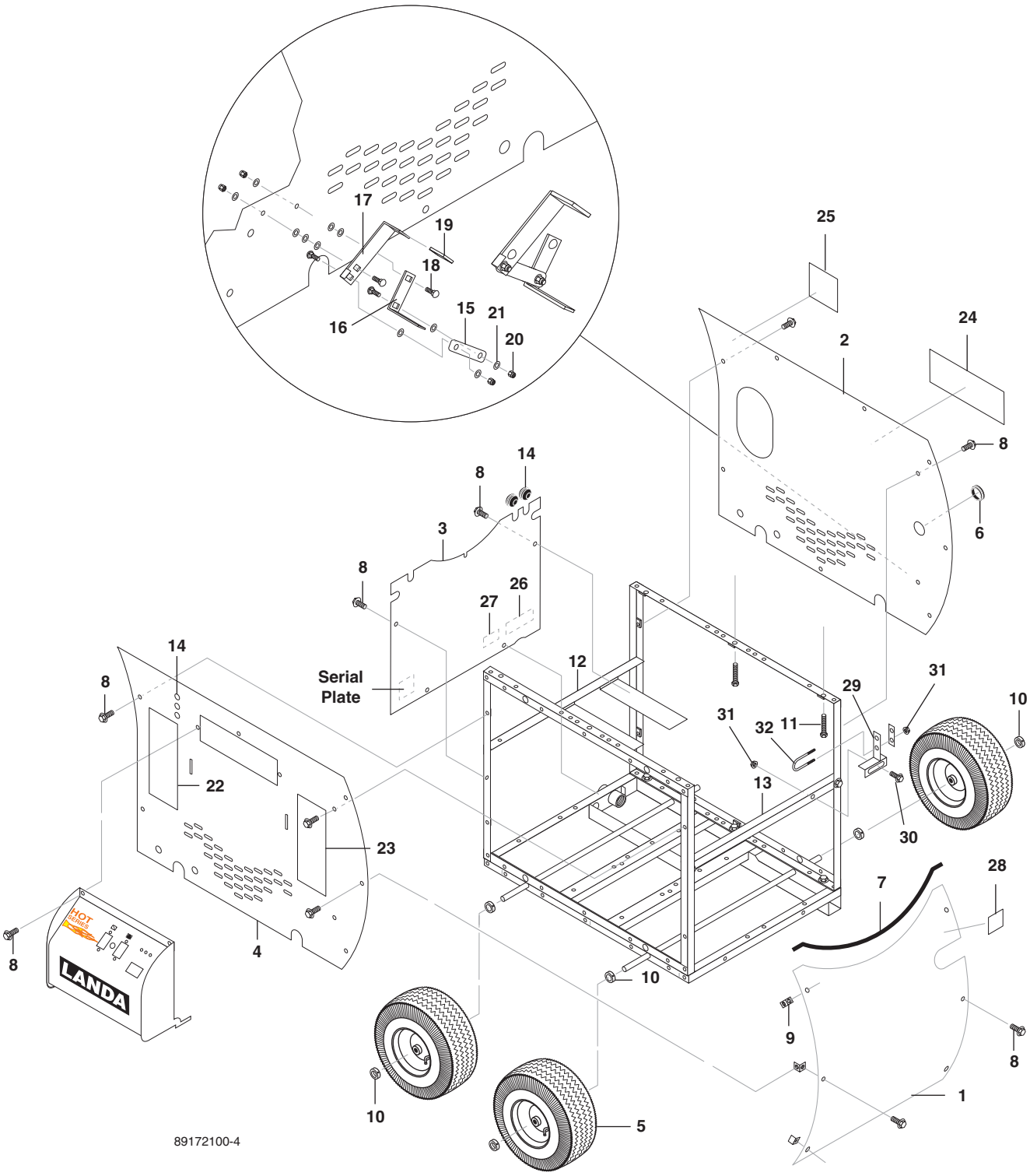
BURNER / COIL ASSEMBLY



BURNER / COIL ASSEMBLY PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	Burner, See Specification, Page 23		
2	9.802-781.0	Nut, 3/8", Flange Whiz Loc, NC	10
3	8.706-958.0	Hose Barb, 1/4" Barb x1/4" Pipe, 90°	1
4	6.390-126.0	Clamp, Hose, .46-, .54 ST	6
5	8.706-941.0	Hose Barb, 1/4" Barb x 1/4" Ml Pipe, Brass	1
6	9.802-254.0	Hose 1/4"	1.660 ft
7	8.731-284.0	Disk, Fiber, (Donut), Horz, MVC	1
8	8.735-002.0	Disk, Fiber, Horz., MVC	1
9	9.802-896.0	Insulation, Blanket-No Foil, 24" x 57"	1
10	9.802-583.0	Nozzle, Oil, 1.00 A, 90°, Hol (2-1100, 2-1500)	1
	9.802-584.0	Nozzle, Oil, 1.35 A, 80°, Hol (3-1100)	1
	8.717-272.0	Nozzle, Oil, 1.75 B, 90°, Hol (4-2000)	1
	8.717-273.0	Nozzle, Oil, 2.00 B, 90°, Hol (3-300)	1
11	9.802-651.0	Gasket, Burner AFG 120V	1
12	8.914-946.0	Assy, Bottom Wrap	1
13	8.919-730.0	Wrap, Top SS, Horz.(2-11024D, 2-15024D, 3-11024D, 4-2000)	1
	8.917-500.0	Wrap, Top, Yellow (2-11026D, 2-15026D, 3-30036D)	1
14	8.919-807.0	Coil, Duro, 14.5 Dia., Sch 80	1
15	9.803-132.0	PHW/VNG Insulation Retainer Plate	2
16	8.709-152.0	Filter, Fuel, Disposable	1
17	8.919-761.0	Handle, Weldment, HOT	1
18	8.917-729.0	Holder, Wand	2
19	8.933-009.0	Gasket, Burner Plate	2
20	9.802-069.0	Grip, 1", Handle (Waffle)	2
21	9.802-043.0	Elbow, 1/2" JIC x 1/2" Fem, 90°	1
22	8.918-425.0	Hose, 3/8" x 29", 2 Wire, Pressure Loop (2-11026D, 2-15026D)	1
	8.918-424.0	Hose, 3/8" x 25", 2 Wire Pressure Loop (4-20024A, 4-20024G, 3-30036D)	1
	8.918-422.0	Hose, 3/8" x 20", 2-Wire Pressure Loop (2-11024D, 2-15024D, 3-11024D)	1
23	9.802-259.0	Hose, 1/2" Push On, Per Ft	2 ft
24	9.802-723.0	Bolt, 3/8" x 1-1/2", NC HH	1
25	9.802-807.0	Washer, Flat 3/8"	4
26	8.718-941.0	Screw, 10-16 x 5/8 Tek	8
27	9.802-013.0	Nipple, Pipe 1/2" x 2-1/2" Zinc Sch 80 MPT	1
28	8.707-019.0	Push-on, 1/2" Barb x 3/8" MPT	1
29	8.706-248.0	Plug, 3/8" Allen Counter Sunk	1
30	9.184-030.0	Spacer, Rupture Disk	1
31	9.151-014.0	Rupture Disk, 5000 PSI	1
32	9.149-003.0	Manifold Coil Outlet Discharge	1
33	8.725-553.0	Nipple, 3/8"x 8" Sch 80 Galvinized	1
	8.706-059.0	Nipple, 3/8" x 5" (3-300)	1
34	9.802-170.0	Nipple, 3/8" x 3/8" NPT ST Fem	1
35	9.800-006.0	Label, HOT w/Arrows	1
36	9.802-048.0	Swivel, 1/2" JIC x 3/8 MPT (3-300)	1
37	8.706-880.0	Nipple, 1/2" MPT x 3/8 MPT	1
38	8.706-216.0	Tee, 1/2" Steel	1
39	8.706-294.0	Bushing, 1/2" x 3/8 Steel	1
40	8.712-205.0	Switch, Snap 340°	1
41	8.750-435.0	Cap, Black Vinyl	6
42	9.802-807.0	Washer, 3/8" Flat	6
43	9.801-265.0	Label, Landa Sure Fire	1

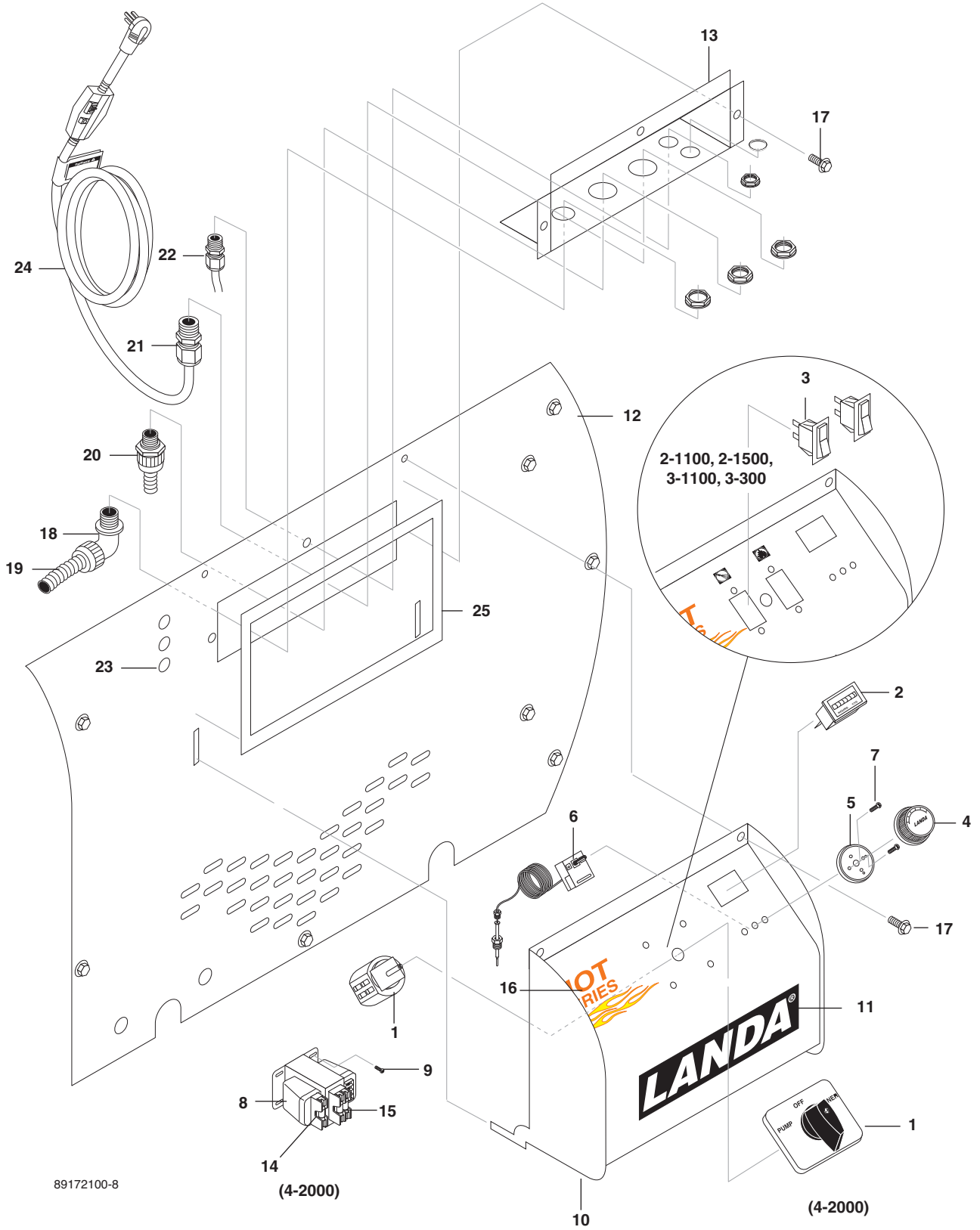
CHASSIS ASSEMBLY - EXPLODED VIEW



CHASSIS ASSEMBLY PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	8.917-498.0	Panel, Access, Pump Side, HOT	1
2	8.917-240.0	Panel, Side, Fuel HOT_09	1
3	8.917-499.0	Panel, Access, Fuel Tank, HOT	1
4	8.917-405.0	Weldment, Side Panel HOT_09	1
5	9.802-270.0	Wheel Complete 10"	4
6	9.802-103.0	Bushing, 5/8" Snap (2-11026, 2-15026, 3-300)	1
7	9.802-071.0	Trim, 750 B2 x 1/16. Black	5 ft
8	8.750-246.0	Screw, 1/4" X 1/2" HH NC, Whiz Loc	22
9	8.917-268.0	Weldment, Tab, Bracket	6
10	9.802-782.0	Collar, 5/8" Bore Shaft 3010	8
11	8.718-674.0	Bolt, 3/8-16 x 2-1/4" , Gr8.2 Seratd Flnge B	6
12	8.917-423.0	Angle, Back Upper, Weldment DD	1
13	8.917-465.0	Weldment, Angle Front Upper, HOT	1
14	9.802-064.0	Grommet, Rubber, Nozzle Holder	3
15	9.802-997.0	Linkage, Brake, Black	1
16	9.802-996.0	Bracket, Brake Pad	1
17	9.803-111.0	Lever, Brake, Black	1
18	9.802-705.0	Bolt, 1/4"-20 x 1" Carriage Zinc	4
19	9.804-608.0	Cap, Vinyl Flat (Yellow) .125x1.0x1.875	1
20	9.802-773.0	Nut, 1/4-20 Esna NC	4
21	9.802-802.0	Washer Flat 1/4"	12
22	9.800-409.0	Label, Operator	1
23	9.800-410.0	Label, Warning	1
24	9.800-411.0	Label, HOT Series	1
25	9.800-002.0	Label, Caution, Fuel	1
26	9.800-020.0	Label, Cold Water	1
27	9.800-022.0	Label, 120V (2-1100, 2-1500, 3-1100, 3-300)	1
	8.900-511.0	Label, 220V (4-2000A)	1
	8.900-514.0	Label, 208V (4-2000G)	1
28	9.800-021.0	Label, Hot Water Outlet	1
29	8.917-402.0	Bracket, Hose Outlet	1
30	8.750-246.0	Screw, 1/4" x 1/2" HH NC, Whiz, Blk	1
31	9.802-775.0	Nut, 1/4" Flange, ZN	3
32	9.804-373.0	U-Bolt, 1/4"-20MS Plated	1

CONTROL PANEL ASSEMBLY

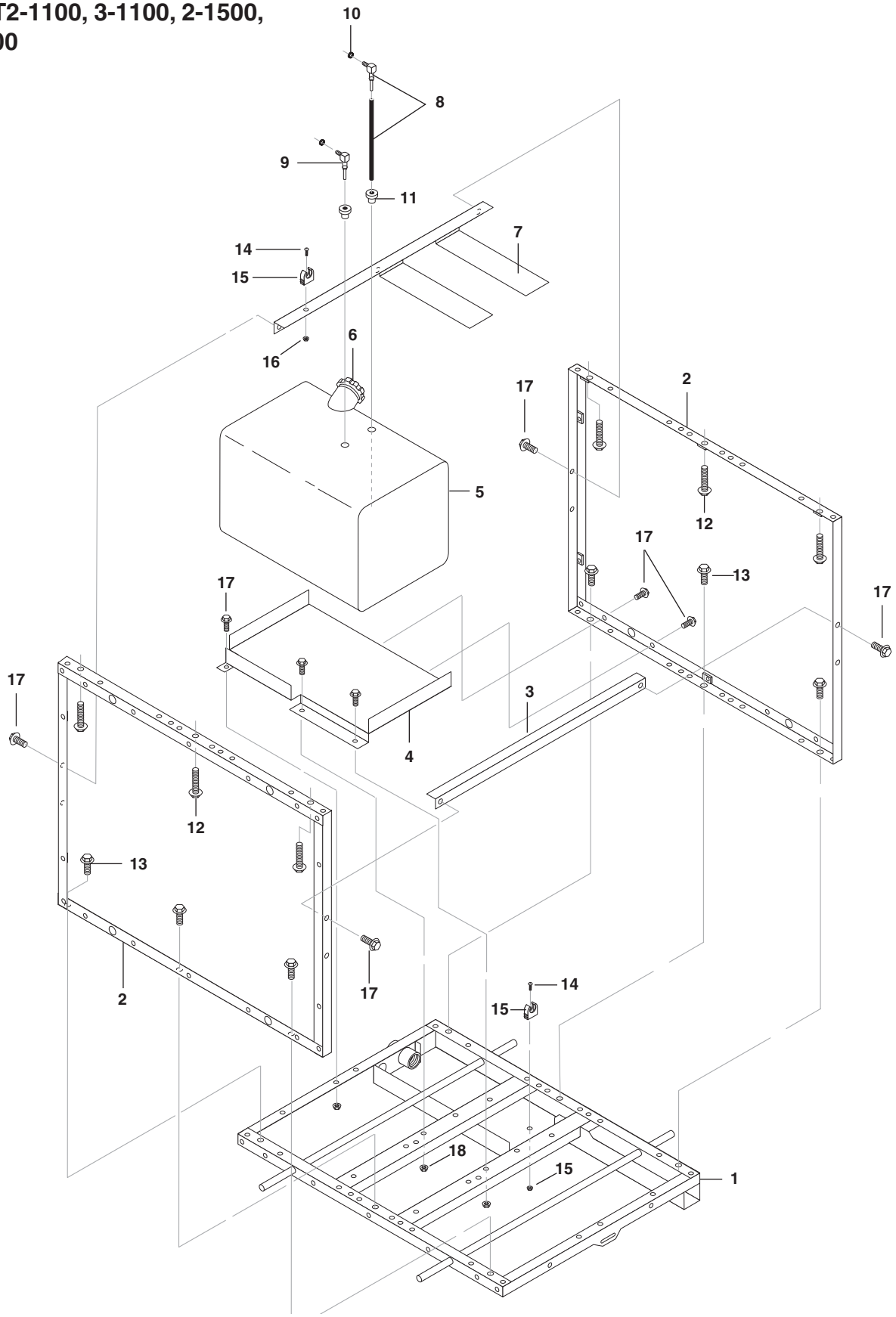


CONTROL PANEL ASSEMBLY PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	9.802-449.0	Switch, 3 PS,115V-230V, 1 PH (4-2000)	1
2	9.802-283.0	Hour Meter (Optional)	1
3	8.725-706.0	Switch, Rocker WB2 (2-1100, 2-1500, 3-1100, 3-300)	2
4	8.750-097.0	Knob, Thermostat 120C/248F (2-1100, 2-1500, 3-1100, 4-2000)	1
5	8.712-190.0	Bezel, Plastic, Thermostat	1
6	8.750-095.0	Thermostat, 120C/240F, 2 Meter Capillary (2-1100, 2-1500, 3-1500, 4-200)	1
7	8.718-779.0	Screw, 4mm x 6 mm, Pan Head	1
8	9.802-551.0	Transfrmer, 240/480V-120V, 50/60Hz, .050KVA (4-2000 A, 4-2000)	1
9	8.718-569.0	Screw, 10-32X1/2 PL RDH PH M(935337)	4
10	8.920-170.0	Control Panel	1
11	8.916-090.0	Label, "Landa"	1
12	8.917-405.0	Weldment, Side Panel HOT_09	1
	8.917-565.0	Weldment, Side w/Hole (2-1100)	1
13	8.917-275.0	Electrical Box, HOT_09	1
14	9.802-463.0	Fuse, Paper, Buss Fnm-1/2, 250V Midget TD (4-2000)	1
15	8.933-007.0	Fuse, KTK-R1 600V Midget Fuse (4-2000)	2
16	9.800-407.0	Label, Control Panel, HOT_09	1
17	9.802-754.0	Screw, 1/4" x 1/2" HH, NC, Whiz Loc	5
18	9.802-517.0	Connector, 1/2" L/T, 90°, Black	1
19	9.802-448.0	Conduit, WTR Tight, Flex, 1/2 100'/Box	3 ft
20	8.716-547.0	Connector, 1/2" L/T, Straight, Blk	1
21	9.802-518.0	Strain Relief, LT, STR, 3/4 NPT .49-.71D (2-1100, 4-20024)	1
	9.803-278.0	Strain Relief, STRT, LQ Tite, 3/4 3460 (2-1500, 3-1100, 3-300)	1
22	8.716-598.0	Strain Relief, .18-.31 (.51 Hole)	1
23	9.802-064.0	Grommet, Rubber, Nozzle Holder	3
24	9.802-431.0	Cord, w/GFCI Plug, 120V/20 Amp (2-1100, 2-1500, 3-1100, 3-300)	1
	8.932-969.0	Label, Elec. Cord Warning	1
	9.802-430.0	GFCI, 240V, 30 Amp w/Cord (4-2000)	1
25	8.725-956.0	Gasket, Elec. Box, HOT	1

DIRECT DRIVE ASSEMBLY EXPLODED VIEW

HOT2-1100, 3-1100, 2-1500, 3-300

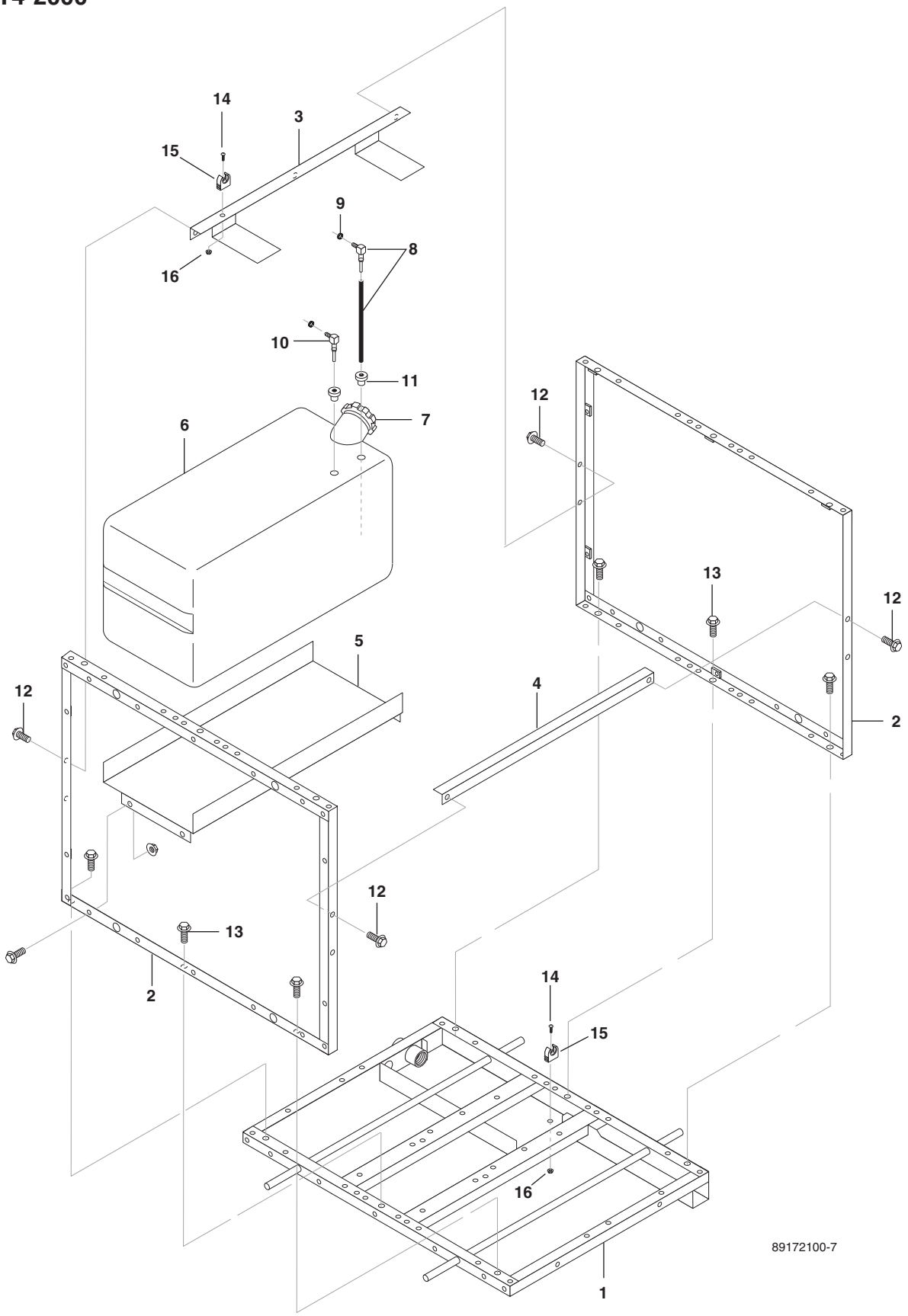


DIRECT DRIVE ASSEMBLY EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	8.920-172.0	Base, HOT	1
2	8.917-384.0	Frame, Side Weldament HOT	2
3	8.917-465.0	Weldment, Angle Front Upper, HOT	1
4	8.917-422.0	Base, Fuel Tank, Weldment DD	1
5	9.802-081.0	Tank , Fuel 6 Gal (952724) Blank	1
6	9.802-089.0	Cap, Fuel Tank, Plastic H60-AV1	1
7	8.917-423.0	Angle, Back Upper, Weldment DD	1
7	8.917-422.0	Bracket, Fuel Tank Weldment, HOT BD (4-2000)	1
8	9.803-531.0	Diptube Assy, Plastic, 10" Long	1
9	9.802-054.0	Elbow, Fuel Tank Zinc	1
10	6.390-126.0	Clamp, Hose, .46-, .54 ST	6
11	9.802-053.0	Bushing, Fuel Tank	2
12	8.718-674.0	Bolt, 3/8" x 2-1/4" Whiz Loc	6
13	9.802-767.0	Screw, 3/8" x 3/4" Whiz Loc	6
14	9.802-759.0	Screw, 10/32" x 1/2" BHSOC Black	2
15	9.802-203.0	Clamp,1/2"	2
16	9.802-695.0	Nut, 10/32" Keps	2
17	8.750-246.0	Screw, 1/4" x 1/2" Nc, Whiz Loc Black	9
18	9.802-775.0	Nut, 1/4" Flange, Zn	3

BELT DRIVE ASSEMBLY EXPLODED VIEW

HOT4-2000

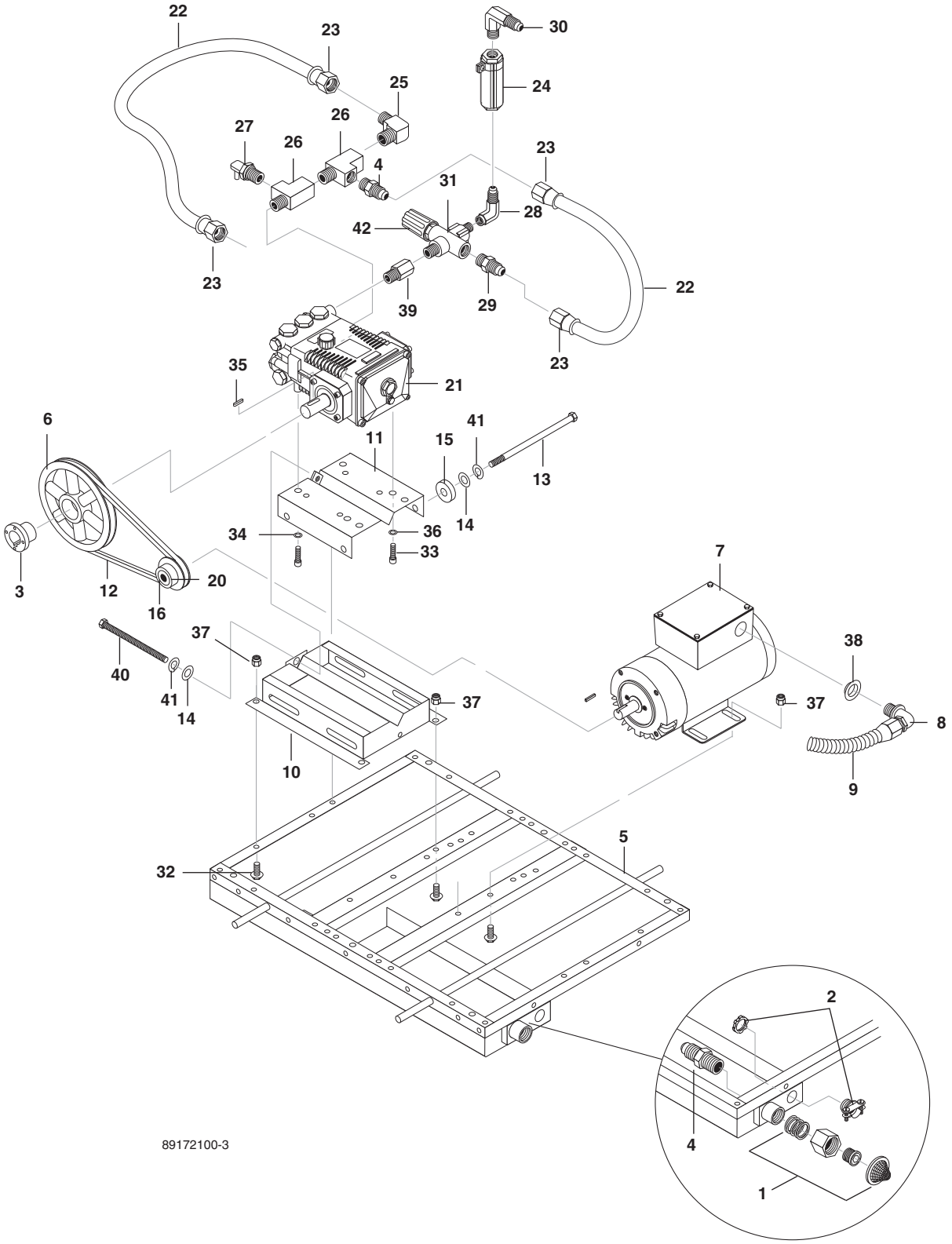


BELT DRIVE ASSEMBLY EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	8.920-172.0	Base, HOT	1
2	8.917-384.0	Frame, Side Weldment HOT	2
3	8.917-416.0	Bracket, Fuel Tank Weldment, HOT BD (4-2000)	1
4	8.917-465.0	Weldment, Angle Front Upper, HOT	1
5	8.917-400.0	Base, Fuel Tank Weldment, HOT 4-2000	1
6	8.750-186.0	Tank, Fuel HOT 4-2000_09	1
7	9.802-089.0	Cap, Fuel Tank, Plastic H60-AV1	1
8	9.802-055.0	Diptube Assy, Plastic, 9.125"	1
9	6.390-126.0	Clamp, Hose, .46-, .54 ST	6
10	9.802-054.0	Elbow, Fuel Tank Zinc	1
11	9.802-053.0	Bushing, Fuel Tank	2
12	8.750-246.0	Screw, 1/4 x 1/2 Nc Whiz Loc Black	8
13	9.802-767.0	Screw, 3/8" x 3/4" Whiz Loc	6
14	9.802-759.0	Screw, 10/32" x 1/2" BHSOC Black	2
15	9.802-203.0	Clamp,1/2"	2
16	9.802-695.0	Nut, 10/32" Keps	2

BELT DRIVE PUMP ASSEMBLY EXPLODED VIEW

HOT4-2000



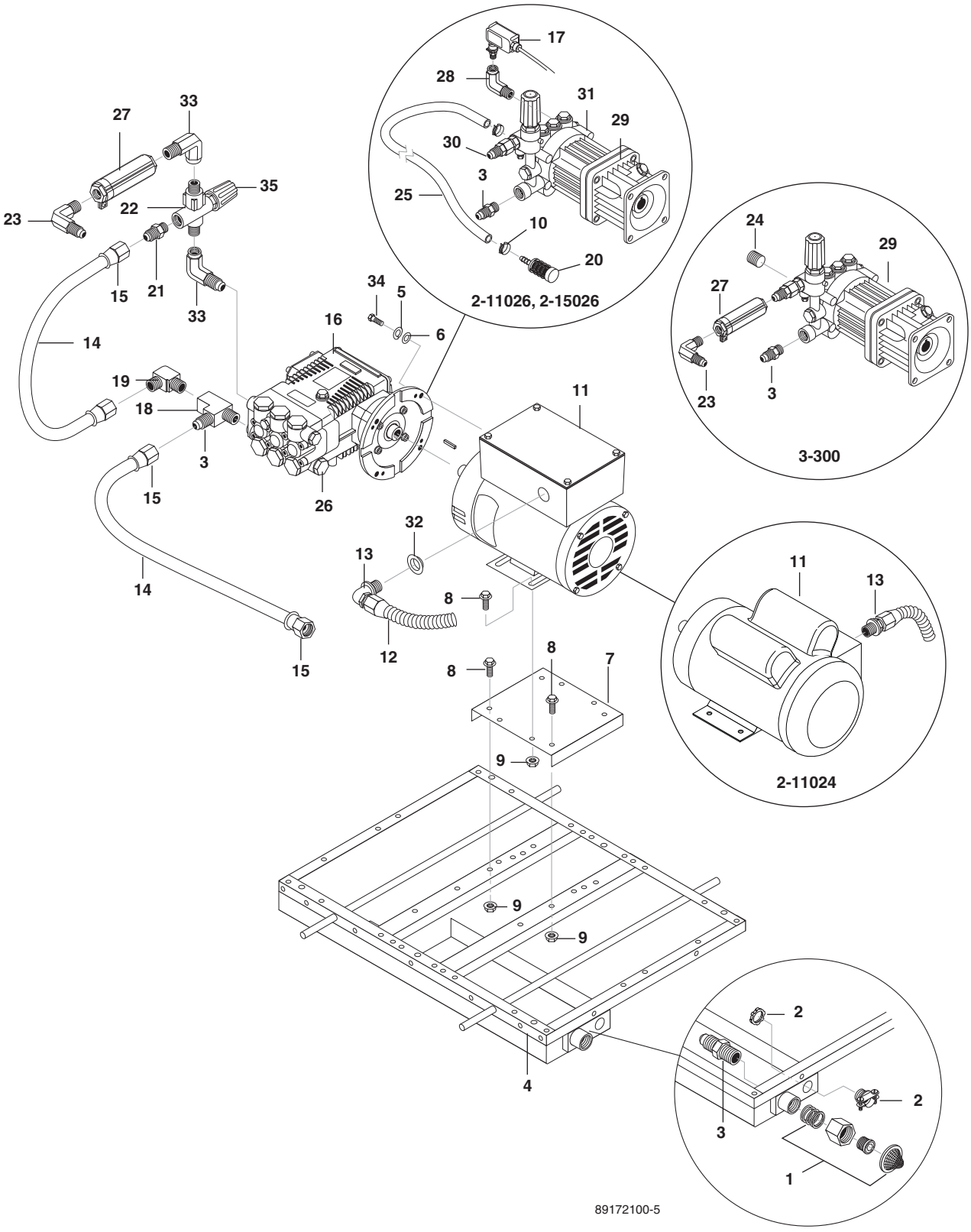
BELT DRIVE PUMP ASSEMBLY EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	9.802-146.0	Swivel, 1/2" Mp X 3/4" GHF w/Strainer	1
2	9.802-520.0	Strain Relief, 3/4"	1
3	9.802-402.0	Bushing, H x 24mm	1
4	9.802-128.0	Nipple, 1/2" JIC x 1/2" MPT Pipe	2
5	8.920-172.0	Base, HOT	1
6	9.802-380.0	Pulley, BK 80 H	1
7	9.802-341.0	Motor 5 HP, 1PH 230V 3450 RPM C-Face	1
	8.715-144.0	Motor, 5 z, 208V	1
8	9.802-517.0	Connector, 1/2" L/T, 90° Black	2
9	9.802-448.0	Conduit, Wtr. Tight, Flex,1/2 100'/box	3
10	8.917-389.0	Rail, Pump Weldment, HOT BD	1
11	8.917-387.0	Mount, Pump Rail Weldment	1
12	9.802-413.0	Belt, BX32	1
13	8.725-549.0	Bolt, 3/8" x 7-1/2" HH	2
14	9.802-807.0	Washer, Flat 3/8"	4
15	8.719-047.0	Washer, Nylon, .281 ID x 1 OD x .25 THK	2
16	9.803-897.0	Bushing, H x 3/4	1

ITEM	PART NO.	DESCRIPTION	QTY
20	8.715-560.0	Pulley, BK 30 H	1
21	8.904-856.0	Pump, Landa LD4020R.1, 4@2000, 1550 RPM	1
22	9.802-259.0	Hose, 1/2", Push On	1.330 ft
23	9.802-151.0	Swivel, 1/2" JIC Fem, Push-on	4
24	8.933-006.0	Switch, Flow, MV60	1
25	9.802-131.0	Elbow, 1/2" JIC x 1/2" MPT, 90°	1
26	8.706-860.0	Tee, 1/2" Street	2
27	8.707-256.0	Pump Protector,1/2" PTP,140°	1
28	8.706-207.0	Elbow, 3/8", Street	1
29	9.802-127.0	Nipple, 1/2" JIC x 3/8"	1
30	9.802-039.0	Elbow, 1/2" JIC x 3/8" MPT 90°	1
31	8.753-028.0	Unloader VR54 w/Knob 2175 Psi	1
32	9.803-551.0	Screw, 5/16" x 3/4" Whiz"	8
33	9.802-741.0	Bolt, 8mm x 16mm Hex Head	4
34	9.802-813.0	Washer, 5/16", Lock, Split Ring	4
35	9.803-167.0	Crankshaft Key	1
36	8.718-980.0	Washer, 5/16", Flat, SAE	4
37	9.802-778.0	Nut, Whiz Loc 5/16 Flange	8
38	9.803-834.0	Washer, Reducing 3/4" x 1/2"	1
39	8.706-309.0	Adapter, 3/8 x 3/8	1
40	9.802-733.0	Bolt, 3/8" x 3-1/2"	1
41	9.802-814.0	3/8 Lock Washer	3
42	8.718-959.0	Washer SS	1

DIRECT DRIVE PUMP ASSEMBLY EXPLODED VIEW

HOT2-1100, 3-1100, 2-1500



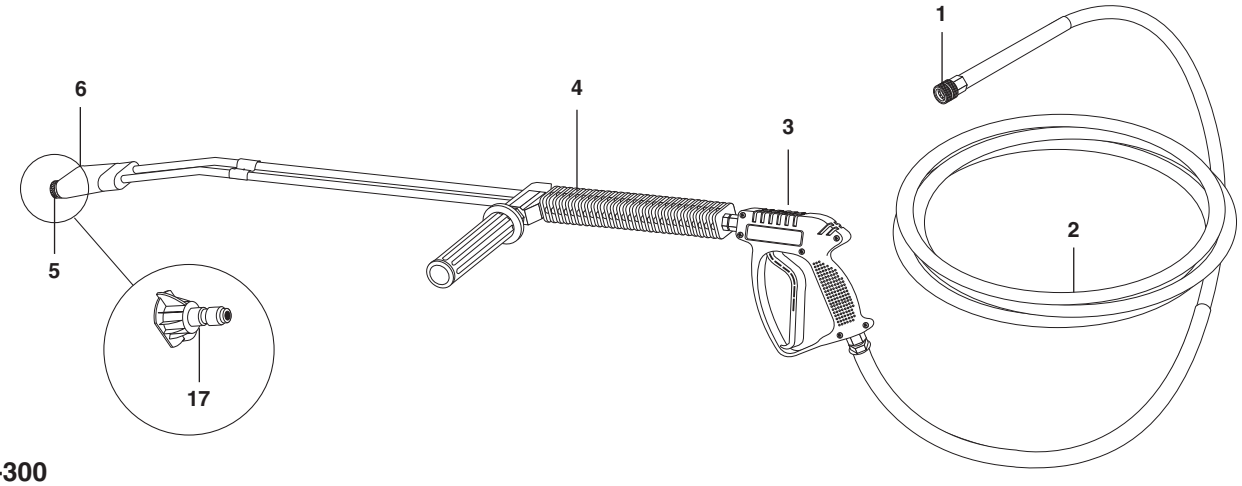
DIRECT DRIVE PUMP ASSEMBLY PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	9.802-146.0	Swivel, 1/2" MP x 3/4" GHF w/Strainer	1
2	9.802-520.0	Strain Relief, 3/4"	1
3	9.802-128.0	Nipple, 1/2" JIC x 1/2" MPT Pipe	3
4	8.920-172.0	Base, HOT	1
5	9.802-807.0	Washer 3/8	4
6	9.802-814.0	Washer, 3/8 Lock	4
7	8.917-286.0	Base, Motor, Direct Drive	1
8	9.803-551.0	Screw, 5/16" x 3/4" Whiz	8
9	9.802-778.0	Nut, Whiz Loc 5/16 Flange	8
10	8.740-345.0	Clamp	2
11	9.804-516.0	Motor, 1.5 HP, 1PH, 115V, 1725 RPM, TEFC (2-11024D)	1
	9.802-338.0	Motor, 1.5 HP, 1PH, 115V, 3450 RPM, Baldor (2-11026D, 3-30036D)	1
	9.804-517.0	Motor, 2 HP, 1PH, 115V, 1725 RPM , 56C ODP (2-15024D, 3-11024D)	1
	9.802-339.0	Motor, 2 HP, 1PH, 115/230V, 3450 RPM (2-15026D)	1
12	9.802-448.0	Conduit, Wtr. Tight, Flex,1/2 100'/Box	3
13	8.716-547.0	Connector, 1/2" L/T, Straght Black (2-11024D Only)	1
	9.802-547.0	Connector, 1/2" L/T, 90°, Black	1
14	9.802-259.0	Hose, 1/2", Push On	3.750 ft
15	9.802-151.0	Swivel, 1/2" JIC Fem, Push-on	4
16	8.904-849.0	Pump, Landa LE2020S, (2-1100, 2-1500)	1
	8.916-554.0	Pump, Landa LE2825S (3-1100)	1
17	9.802-458.0	Switch, Pressure N/O, 1/4 NPT SS	1
18	8.706-860.0	Tee, 1/2" Street	1
19	9.802-131.0	Elbow, 1/2" JIC X 1/2" MPT, 90°	1
20	8.707-057.0	Strainer, Plastic	1
21	9.802-127.0	Nipple, 1/2" JIC x 3/8" Pipe	1
22	8.753-028.0	Unloader VR54 w/ Knob 2175 Psi	1
23	9.802-039.0	Elbow, 1/2 JIC x 3/8 MPT, 90°	1
24	8.706-864.0	Plug, 1/8", Countersunk (3-30036D)	1
25	9.802-251.0	Hose, Clear Vinyl	6 ft
26	8.707-256.0	Pump Protector, 1/2" PTP, 140°	1
27	8.933-006.0	Switch, Flow MV60	1
28	9.804-064.0	Elbow, 1/8" MPT x 1/4" FPT Street 90 STL	1

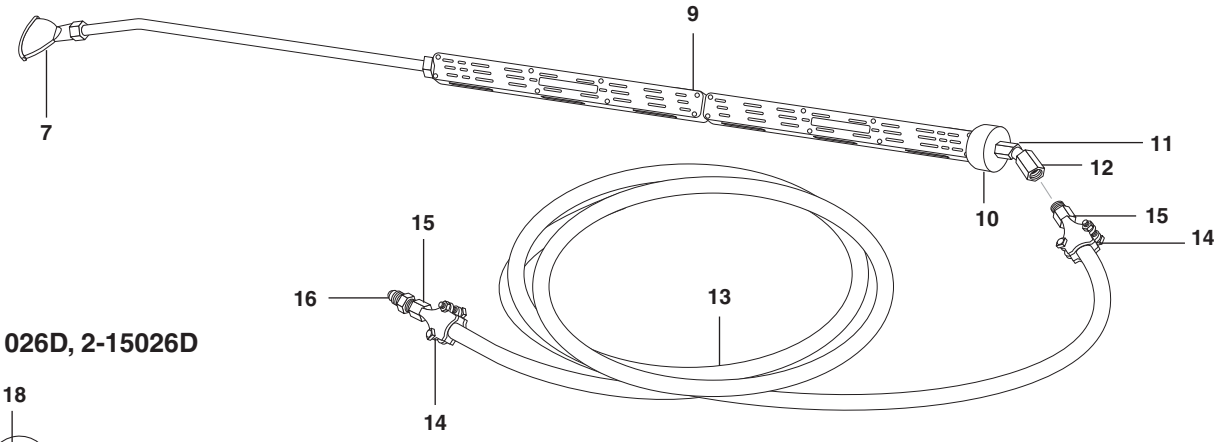
ITEM	PART NO.	DESCRIPTION	QTY
29	8.750-238.0	Pump, Comet BXD2020E, 1.9@2000, 5/8 Shaft (2-11026D, 2-15026D, 3-300)	1
	9.802-357.0	Pump, Comet AXD2020E, 1.9@2000 (2-15026D)	1
30	9.802-037.0	Nipple, 1/2 JIC x 3/8 FPT, Steel	1
31	8.707-254.0	Pump Protector, 3/8" 145°	1
32	9.803-834.0	Washer, Reducing 3/4" x 1/2" (2-15026D)	1
33	8.706-207.0	Elbow, 3/8" Street	2
34	8.719-528.0	Bolt, 3/8" x 1	4
35	8.718-959.0	Washer	1

HOSE & SPRAY GUN ASSEMBLY

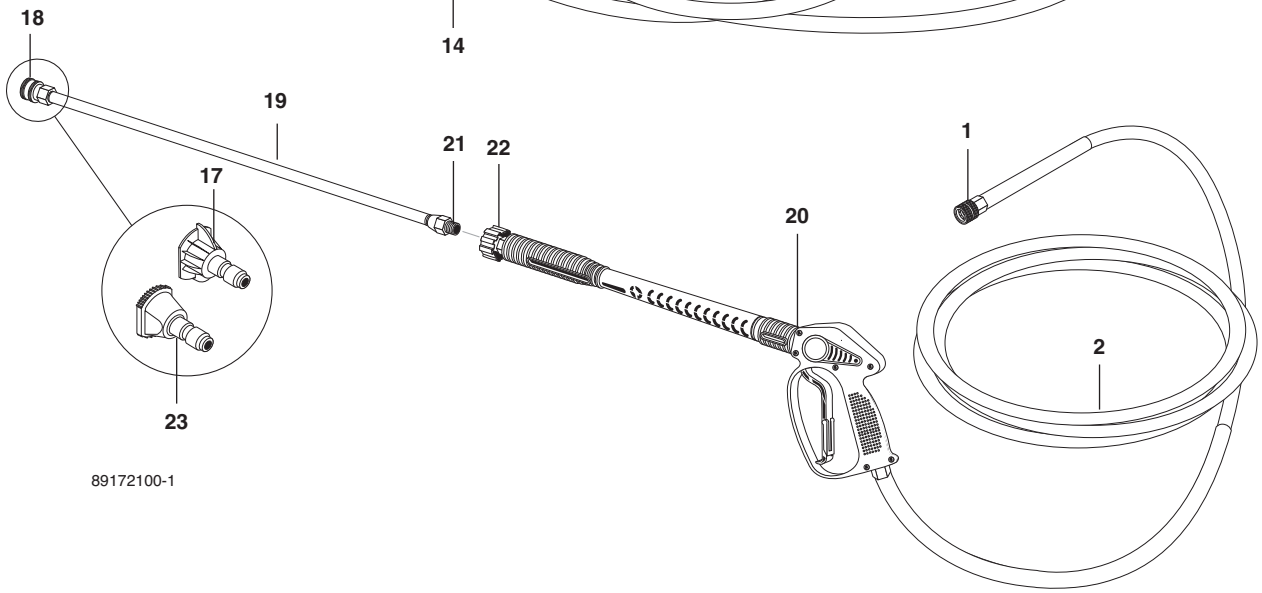
2-11024D, 2-15024D, 3-11024D, 4-200
9.802-222.0 Wand, VP w/Coupler & Nozzle



3-300
8.917-585.0 Wand, Steam w/Flat Nozzle



2-11026D, 2-15026D



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HOSE & SPRAY GUN ASSEMBLY PARTS LIST

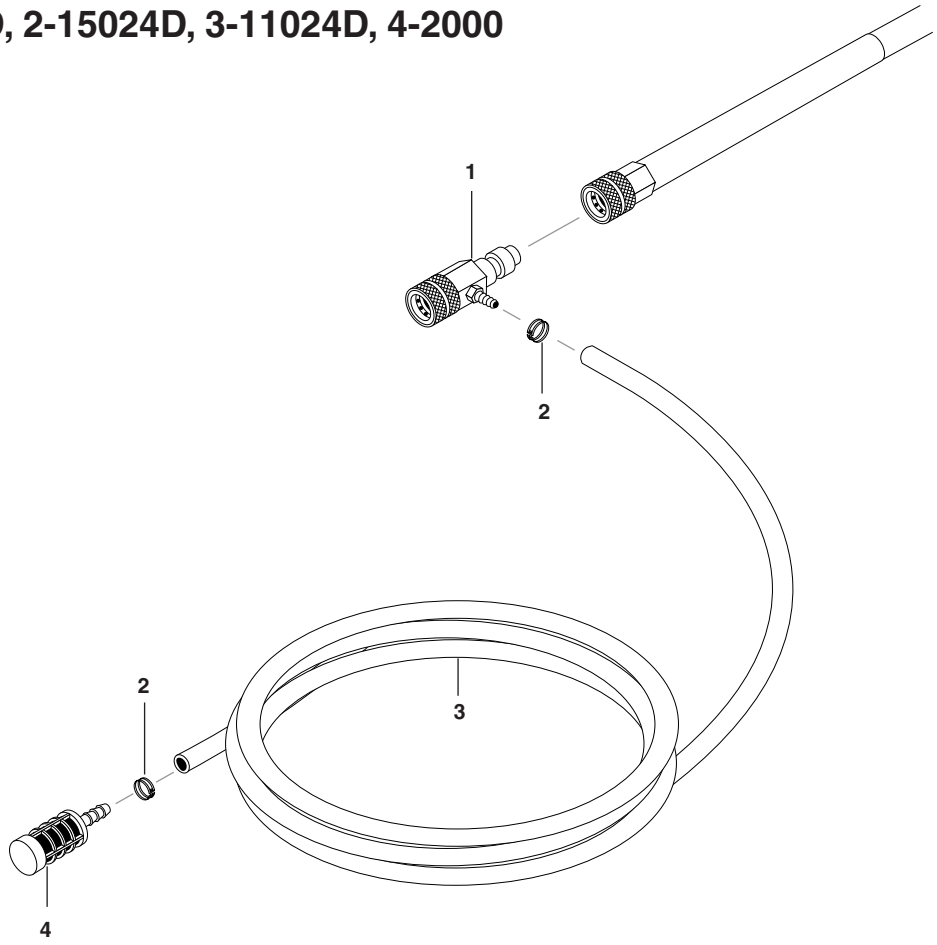
ITEM	PART NO.	DESCRIPTION	QTY
1	9.802-166.0	Coupler, 3/8" Female	1
	9.802-100.0	▲ Quick Coupler O-Ring Large	1
2	8.916-739.0	Hose, 3/8" x 50', 1-Wire, Tuff-Skin (2-11024D, 2-15024D, 3-11024D, 4-2000)	1
	8.901-774.0	Hose, 3/8" x 30' (2-11026D, 2-15026D)	1
3	8.751-234.0	Gun, Landa, L1050 5000 PSI, 10.5 GPM (2-11024D, 2-15024D, 3-11024D, 4-2000)	1
4	9.802-222.0	Wand, VP, QC (2-11024D, 2-15024D, 3-11024D, 4-2000)	1
	9.803-267.0	Repair Kit, AR, SS, Seat	1
5	9.802-165.0	Coupler, 1/4" Male	1
	9.802-096.0	▲ Quick Coupler O-Ring Small	1
6	9.802-286.0	Brass Soap Nozzle	1
7	8.917-614.0	Nozzle, Steam, Flat Spray	1
8	8.706-979.0	Coupling, 3/8" x 1/4" Reducing	1
9	8.711-298.0	Spray Lance, 47" (3-300)	1
10	9.802-066.0	Pad, Soft Rubber, 50 Duro (3-300)	1
11	8.706-277.0	Elbow, 1/4", Pipe, 45°, Steel (3-300)	1
12	8.706-301.0	Adapter, 1/4" x 3/8", Steel (3-300)	1
13	8.711-849.0	Hose, 50' x 1/2", Steam Only (3-300)	1

ITEM	PART NO.	DESCRIPTION	QTY
14	8.709-103.0	Clamp, 3/8", Steam Hose (3-300)	2
15	8.709-104.0	Hose Barb, 3/8", NPT, Steam Hose (3-300)	2
16	8.706-895.0	Nipple, 1/2" JIC x 3/8" FP #46 (3-300)	1
	8.904-444.0	Steam Wand Complete w/Nozzle (includes Items 7-12) (3-300)	1
17	8.712-346.0	Nozzle, SAQCMEG, 1504, Yellow (2-1100)	1
	8.712-333.0	Nozzle, SAQCMEG, 1503, Yellow (2-1500)	1
	8.712-354.0	Nozzle, SAQCMEG, 1505, Yellow (4-2000)	1
	8.712-358.0	Nozzle, SAQCMEG, 1505.5 Yellow (3-1100)	1
18	9.802-164.0	Coupler, 1/4" Female	1
	9.802-096.0	Quick Coupler O-Ring	1
19	9.802-220.0	Wand, Straight	1
20	9.802-223.0	Spray Gun, Shut-Off	1
21	8.709-540.0	Coupling, 22mm	1
22	8.709-530.0	Twist Coupling, 22mm	1
23	8.712-398.0	Nozzle, Brass Soap	1

▲ Not Shown

DOWNSTREAM INJECTOR ASSEMBLY

2-11024D, 2-15024D, 3-11024D, 4-2000



DOWNSTREAM INJECTOR ASSEMBLY PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	9.802-215.0	Injector, Detergent, Non Adjust, .070 (4-011183)	1
2	8.740-345.0	Clamp, Hose, UNI .46 - .54	2
3	9.802-251.0	Tube, 1/4" x 1/2", Clear Vinyl	6 ft.
4	8.707-057.0	Strainer, 1/4", Hose Barb	1

SPECIFICATIONS

BECKETT BURNER SPECIFICATIONS

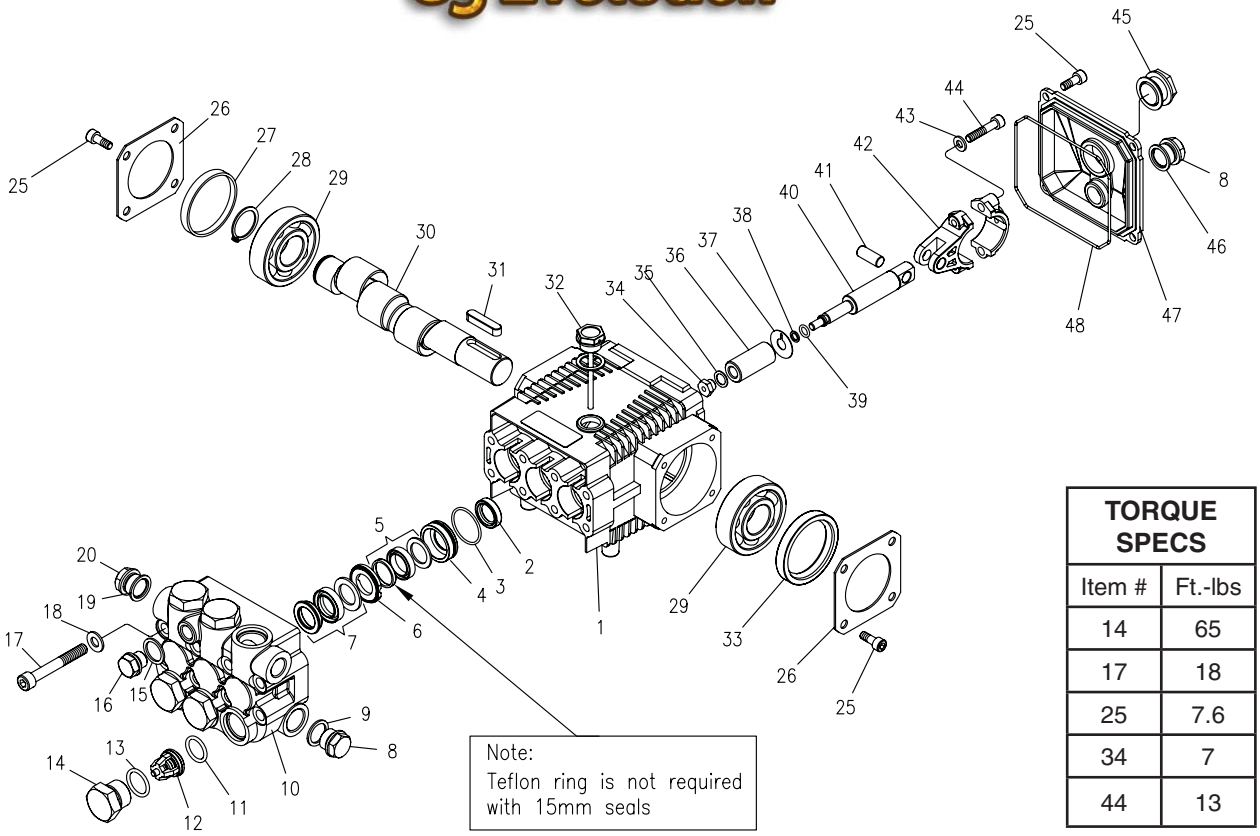
Model No.	Burner Assy No.	Fuel Nozzle	Transformer	Burner Motor	Fuel Pump/ Solenoid/Cord	Fuel Solenoid Coil	Electrode
HOT2-11024D	8.717-086.0	9.802-583.0	9.802-647.0	9.802-642.0	9.802-645.0	9.802-640.0	9.802-670.0
HOT2-15024D	8.717-086.0	9.802-583.0	9.802-647.0	9.802-642.0	9.802-645.0	9.802-640.0	9.802-670.0
HOT2-11026D	8.717-086.0	9.802-583.0	9.802-647.0	9.802-642.0	9.802-645.0	9.802-640.0	9.802-670.0
HOT2-15026D	8.717-086.0	9.802-583.0	9.802-647.0	9.802-642.0	9.802-645.0	9.802-640.0	9.802-670.0
HOT3-11024D	8.717-087.0	9.802-584.0	9.802-647.0	9.802-642.0	9.802-645.0	9.802-640.0	9.802-670.0
HOT3-30036D	8.717-087.0	8.717-273.0	9.802-647.0	9.802-642.0	9.802-645.0	9.802-640.0	9.802-670.0
HOT4-20024A	9.804-053.0	8.717-272.0	9.802-661.0	9.802-635.0	9.802-645.0	9.802-640.0	9.802-670.0
HOT4-20024G	9.804-053.0	8.717-272.0	9.802-661.0	9.802-635.0	9.802-645.0	9.802-640.0	9.802-670.0

LANDA SURE FIRE SPECIFICATIONS

Model No.	Burner Assy No.	Fuel Nozzle	Igniter	Burner Motor	Fuel Pump	Solenoid Coil	Electrode
HOT2-11024D	8.918-920.0	9.802-583.0	8.919-114.0	8.750-517.0	8.700-759.0	9.802-640.0	8.750-778.0
HOT2-15024D	8.918-920.0	9.802-583.0	8.919-114.0	8.750-517.0	8.700-759.0	9.802-640.0	8.750-778.0
HOT2-11026D	8.918-920.0	9.802-583.0	8.919-114.0	8.750-517.0	8.700-759.0	9.802-640.0	8.750-778.0
HOT2-15026D	8.918-920.0	9.802-583.0	8.919-114.0	8.750-517.0	8.700-759.0	9.802-640.0	8.750-778.0
HOT3-11024D	8.918-915.0	9.802-584.0	8.919-114.0	8.750-517.0	8.700-759.0	9.802-640.0	8.750-778.0
HOT3-30036D	8.918-915.0	8.717-273.0	8.919-114.0	8.750-517.0	8.700-759.0	9.802-640.0	8.750-778.0
HOT4-20024A	8.918-918.0	8.717-272.0	8.919-115.0	8.750-518.0	8.700-759.0	9.802-640.0	8.750-778.0
HOT4-20024G	8.918-918.0	8.717-272.0	8.919-115.0	8.750-518.0	8.700-759.0	9.802-640.0	8.750-778.0

LD.1 SERIES PUMP EXPLODED VIEW

8.725-169.0 LD 3025R.1
8.904-857.0 LD 3030R.1
8.904-856.0 LD 4020R.1



TORQUE SPECS	
Item #	Ft.-lbs
14	65
17	18
25	7.6
34	7
44	13

LD.1 SERIES PUMP EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	9.803-938.0	Crankcase	1
2*	See Kits	Plunger Oil Seal	3
3*	See Kits	O-Ring Ø1.78 x 28.30	3
4*	See Kits	Pressure Ring 15mm (3030)	3
	See Kits	Pressure Ring 18mm (4020, 3025)	3
5*	See Kits	U-Seal, 15mm (3030)	3
	See Kits	U-Seal, 18mm (4020, 3025)	3
6*	See Kits	Intermediate Ring 15mm (3030)	3
	See Kits	Intermediate 18mm (4020, 3025)	3
7*	See Kits	Intermed. Ring 15mm (3030)	3
	See Kits	Intermed. Ring 18mm (4020, 3025)	3
8	9.802-926.0	Brass Plug 1/2"	1
9	9.803-199.0	Copper Washer 1/2"	1
10	9.803-946.0	Manifold Housing	1

ITEM	PART NO.	DESCRIPTION	QTY
11*	9.803-947.0	O-Ring Ø1.78 x 15.54	6
12*	See Kits	Valve Assembly	6
13*	9.803-948.0	O-Ring Ø2.62 x 18.77	6
14	9.803-949.0	Valve Plug	6
15	9.803-950.0	Copper Washer 1/4	1
16	9.803-951.0	Brass Plug G1/4	1
17	9.803-952.0	Manifold Stud Bolt	8
18	9.802-884.0	Washer	8
19	9.803-198.0	Copper Washer 3/8	1
20	9.802-925.0	Brass Plug 3/8	2
25	9.802-939.0	Screw	12
26	9.803-953.0	Bearing Cover	2
27	9.803-954.0	Bearing Seal	1
28	9.802-914.0	Snap Ring	1
29	9.803-955.0	Ball Bearing	2
30	9.803-956.0	Crankshaft	1
31	9.803-167.0	Crankshaft Key	1
32	9.803-957.0	Oil Dipstick	1

LD.1 SERIES PUMP EXPLODED VIEW PARTS LIST (CONT)

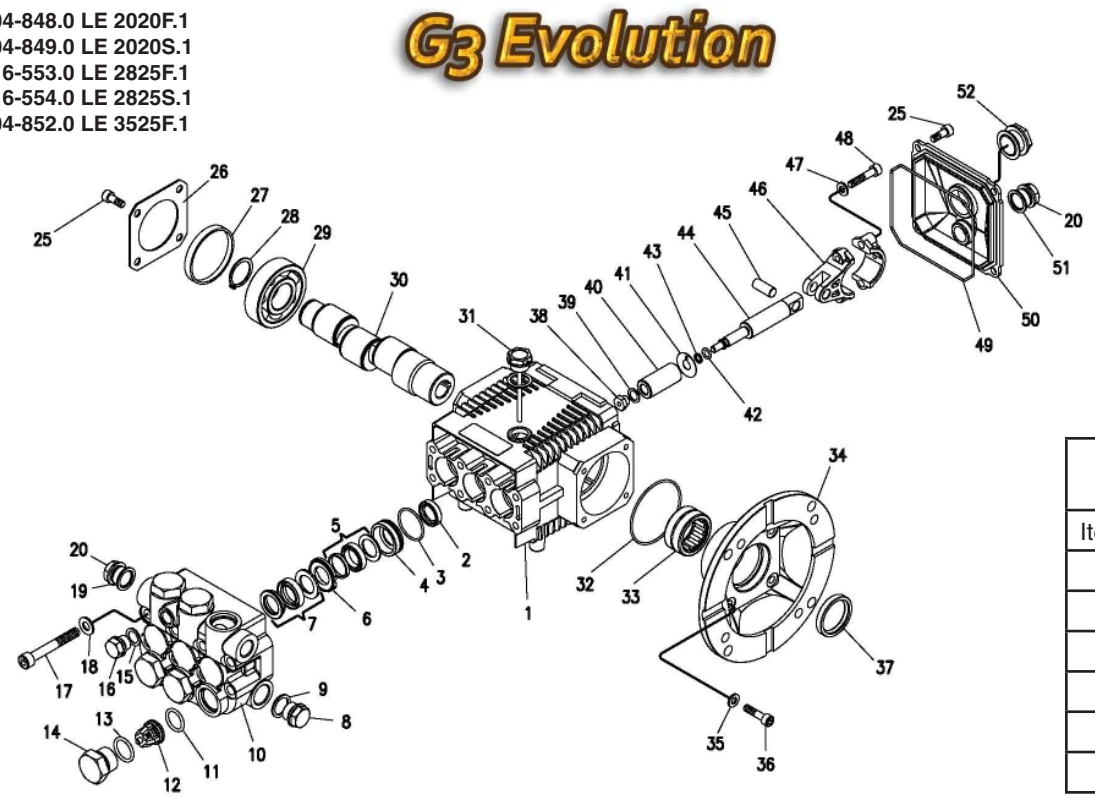
ITEM	PART NO.	DESCRIPTION	QTY
33	8.933-010.0	Crankshaft Seal	1
34*	See Kits	Plunger Nut	3
35*	See Kits	Copper Spacer	3
36*	See Kits	Plunger, 15mm (3030)	3
	See Kits	Plunger, 18mm (4020, 3025)	3
37*	See Kits	Copper Spacer	3
38*	See Kits	O-Ring Ø1.78 x 5.28	3
39*	See Kits	Teflon Ring	3
40*	See Kits	Plunger Rod	3
41	9.803-965.0	Connecting Rod Pin	3
42	9.803-966.0	Connecting Rod	3
43	9.803-218.0	Spring Washer	6
44	8.933-020.0	Connecting Rod Screw	6
45	9.803-202.0	Sight Glass	1
46	9.803-197.0	Gasket	1
47	9.803-968.0	Crankcase Cover	1
48	9.803-969.0	O-Ring Ø2.62 x 107.62	1

*** Available in kit (See below)**

REPAIR KIT NUMBER	**8.725-354.0**	**8.725-356.0**	**8.725-355.0**	**8.725-357.0**	**9.803-934.0**	**9.803-935.0**	**9.803-936.0**	**9.803-937.0**
KIT DESCRIPTION	Plunger Seal 15mm LD-3030	Plunger Seal 18mm LD-3025 LD-4020	Complete Seal Packing, 15mm LD-3030	Complete Seal Packing, 18mm LD-3025 LD-4020	Plunger 15mm LD-3030	Plunger 18mm LD-3025 LD4020	Complete Valve	Plunger Oil Seals
ITEM NUMBERS INCLUDED	3, 5, 7	3, 5, 7	3, 4, 5, 6, 7	3, 4, 5, 6, 7,	34, 35, 36, 37, 38	34, 35, 36, 37, 38	11, 12, 13	2
NUMBER OF CYLINDERS KIT WILL SERVICE	3	3	1	1	1	1	6	3

LE.1 SERIES PUMP EXPLODED VIEW

8.904-848.0 LE 2020F.1
8.904-849.0 LE 2020S.1
8.916-553.0 LE 2825F.1
8.916-554.0 LE 2825S.1
8.904-852.0 LE 3525F.1



TORQUE SPECS	
Item #	Ft.-lbs
14	65
17	18
25	7.6
36	8
38	7
48	13

LE.1 SERIES PUMP EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	9.803-938.0	Crankcase	1
2*	9.804-586.0	Plunger Oil Seal	3
3*	See Kit	O-Ring Ø 1.78 x 28.30	3
4*	See Kit	Pressure Ring 15mm	3
	See Kit	Pressure Ring 18mm	3
5*	See Kit	U-Seal, dia 15mm	6
	See Kit	U-Seal, dia 18mm	6
6*	See Kit	Intermediate Ring 15mm	6
	See Kit	Intermediate Ring 18mm	6
7*	See Kit	U-Seal, 15mm	3
	See Kit	U-Seal, 18mm	3
8	9.802-926.0	Brass Plug G1/2	1
9	9.803-199.0	Copper Washer 1/2"	1
10	9.803-946.0	Manifold Housing	1
11	9.803-947.0	O-Ring Ø1.78 x 15.54	6
12*	See Kit	Valve Assembly	6
13*	9.803-948.0	O-Ring Ø2.62 x 18.77	6
14	9.803-949.0	Valve Plug	6
15	9.803-950.0	Copper Washer 1/4	1

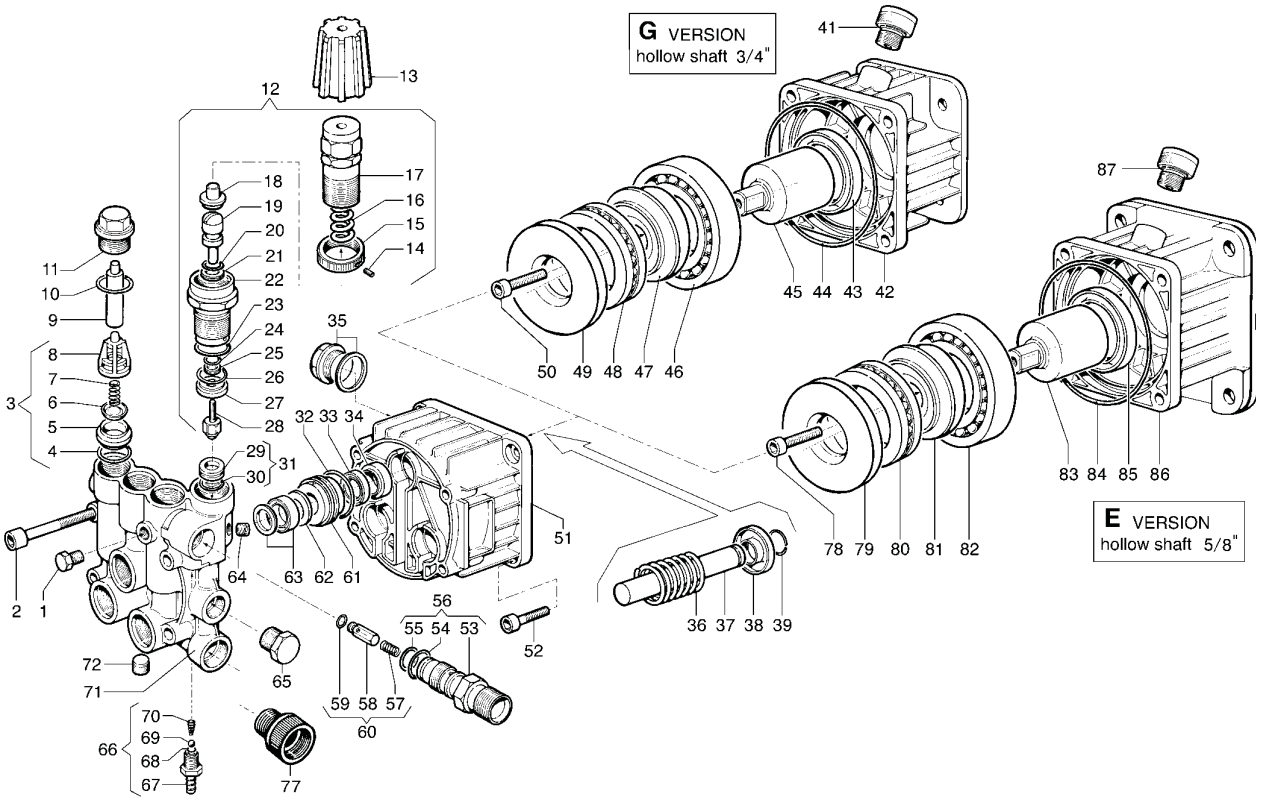
ITEM	PART NO.	DESCRIPTION	QTY
16	9.803-951.0	Brass Plug G1/4	1
17	9.803-952.0	Manifold Stud Bolt	8
18	9.802-884.0	Washer	8
19	9.803-198.0	Copper Washer 3/8	1
20	9.802-925.0	Brass Plug G3/8	2
25	9.802-939.0	Screw	12
26	9.803-953.0	Bearing Cover	2
27	9.803-954.0	Bearing Seal	1
28	9.802-914.0	Snap Ring	1
29	9.803-955.0	Ball Bearing	2
30	9.804-576.0	Crankshaft (2020F)	1
	9.804-577.0	Crankshaft (2020S)	1
	9.804-578.0	Crankshaft (2825F)	1
	9.804-579.0	Crankshaft (2825S)	1
	9.804-580.0	Crankshaft (3525F)	1
31	9.803-957.0	Oil Dipstick	1
32	9.804-581.0	O-Ring Ø3.53 x 55.56	1
33	9.804-582.0	Needle Bearing	1
34	9.804-583.0	Motor Flange 56C	1
35	9.803-210.0	Washer	4

LE.1 SERIES PUMP EXPLODED VIEW PARTS LIST (CONT)

ITEM	PART NO.	DESCRIPTION	QTY
36	9.804-584.0	Flange Screw	4
37	9.804-585.0	Crankshaft Seal	1
38*	See Kit	Plunger Nut	3
39*	See Kit	Copper Spacer	3
40*	See Kit	Plunger 15mm (2020F, 2825F, 3525F)	3
	See Kit	Plunger 18mm (2020S, 2825S)	3
41*	See Kit	Copper Spacer	3
42*	See Kit	O-Ring Ø1.78 x 5.28	3
43*	See Kit	Teflon Ring	3
44	9.803-964.0	Plunger Rod	3
45	9.803-965.0	Connecting Rod Pin	3
46	9.803-966.0	Connecting Rod	3
47	9.803-218.0	Spring Washer	6
48	8.933-020.0	Connecting Rod Screw	6
49	9.803-969.0	O-Ring Ø2.62 x 107.62	1
50	9.803-968.0	Crankcase Cover	1
51	9.803-197.0	Gasket	1
52	9.803-202.0	Sight Glass	1

REPAIR KIT NUMBER	8.725-354.0	8.725-356.0	8.725-355.0	8.725-357.0	9.803-934.0	9.803-935.0	9.803-936.0	9.803-937.0
KIT DESCRIPTION	Plunger Seal 15mm 2020F.1 2825F.1 3525F.1	Plunger Seal 18mm 2020S.1 2825S.1	Complete Seal Packing 15mm 2020F.1 2825F.1 3525F.1	Complete Seal Packing 18 mm 2020S.1 2825S.1	Plunger 15mm 2020F.1 2825F.1 3525F.1	Plunger 18mm 2020S.1 2825S.1	Complete Valve	Plunger Oil Seals
ITEM NO.'S INCLUDED	3, 5, 7	3, 5, 7	3, 4, 5, 6, 7	3, 4, 5, 6, 7	38, 39, 40, 41, 42, 43	38, 39, 40, 41, 42, 43	11, 12, 13	2
NO. OF CYLINDERS KIT WILL SERVICE	3	1	1	1	1	1	6	3

AXD PUMP EXPLODED VIEW



AXD PUMP EXPLODED VIEW PARTS LIST

ITEM	PART #	DESCRIPTION	KIT	QTY
1		Cap, 1/8"		1
2		Screw M8x55		4
3	8.721-936.0	Valve Kit		6
4	8.721-920.0	O-Ring, 1.78 x 12.42	A-D	6
5		Valve Seat	A	6
6		SUC/DEL Valve	A	6
7		Spring	A	6
8		Valve Cage	A	6
9		Spacer		2
10		O-Ring, 1.78 x 17.77	A-D	6
11		Plug		6
12	8.721-935.0	Reg Val Kit for AX 180 Bar		1
13	9.841-646.0	Knob		1
14	8.718-555.0	Stop, Adjustable Nut, M4x4	E	1
15	8.718-546.0	Nut	E	1
16	8.721-940.0	Spring,	E	1
17	8.721-906.0	Adjustable Knob	E	1
18		Seat	E	1
19		Piston Rod	E-F	1
20		O-Ring	E-F	1
21		Ring	E-F	1
22		Housing	E	1

ITEM	PART #	DESCRIPTION	KIT	QTY
23		O-Ring	E-F	1
24		O-Ring	E-F	1
25		Ring	E-F	1
26		O-Ring	E-F	1
27		Ring	E-F	1
28	8.721-956.0	Housing with Ball	E-F	1
29		Seat	E-F	1
30		O-Ring	E-F	1
31	8.721-957.0	Valve Seat		1
32		O-Ring, 1.78 x 25.12	B-D	3
33	8.721-939.0	Piston Seal Ø14	B	3
34	8.721-899.0	Sealing Ring	D	3
35	8.721-965.0	Oil Level Plug		1
36		Spring		3
37	8.915-527.0	Piston	C	3
38	8.721-892.0	Ring	C	3
39	8.721-891.0	Ring Ø14	C	3
51		Pump Crankcase		1
52		Screw M8x20		4
53		Injector Body M22 x 1.5	E	1
	8.718-554.0	Injector Body, 3/8 NPT	E	1
54	8.721-920.0	O-Ring 1.78 x 12.42	D-E-F	1
55		O-Ring, 1.78 x 15.6	E-F	1

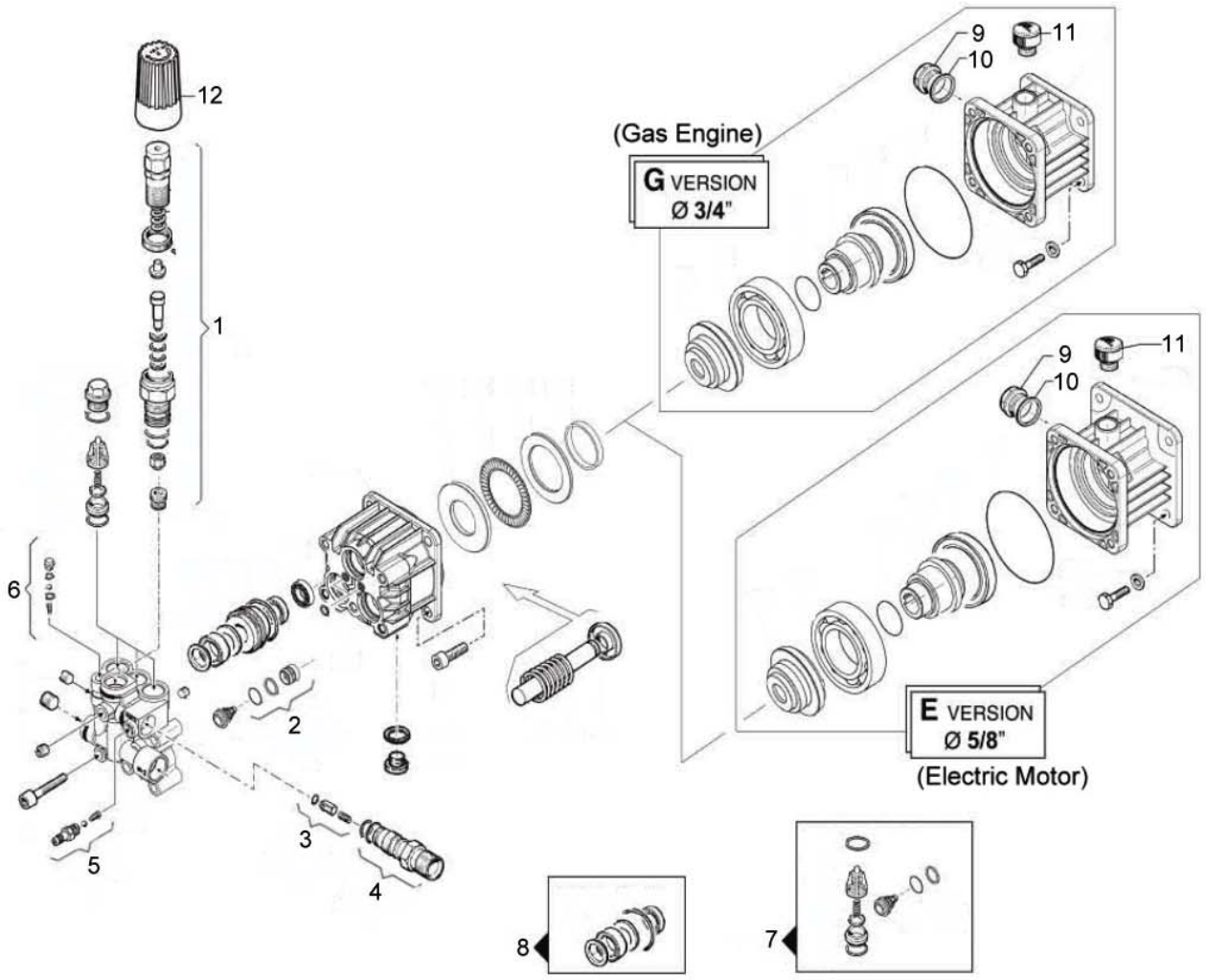
AXD PUMP EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	KIT	QTY
56		Injector Body Kit M22x 1.5		1
	8.721-974.0	Injector Body Kit 3/8 NPT		1
57		Spring	E	1
58		Check Valve	E	1
59		O-Ring	E-F	1
60	8.721-948.0	Check Valve Kit		1
61	8.739-570.0	Ring		3
62	8.739-571.0	Ring	B	3
63	8.739-574.0	Piston Seal 150 Bar (2520G, 3020G, 3522G)	B	3
		Piston Seal 180 Bar (3025G)	B	3
64		Plug 1/8 x 8		1
65		Plug 3/8 Gas OT58		1
66	8.718-551.0	Injector Kit		1
67		Hose Barb Fitting		1
68		O-Ring		1
69	8.739-577.0	Ball		1
70	8.739-575.0	Spring		1
71	8.718-553.0	Pump Valve Chamber		1
72		Plug 1/8 x 8		1
77		Garden Hose Tail		1

Kit A	8.721-997.0	Complete Valve Kit
Kit B	8.721-988.0	Piston Seal Kit, 150 Bar
	8.721-989.0	Piston Seal Kit, 180 Bar
Kit C	8.721-949.0	Piston Kit
Kit D	8.721-990.0	Seal Kit
Kit E	8.722-000.0	Overhaul Kit, M22 x 1.5
	8.722-001.0	Overhaul Kit, 3/8” NPT
Kit F	8.722-002.0	Maintenance Kit

COMET PUMP EXPLODED VIEW AND PARTS LIST

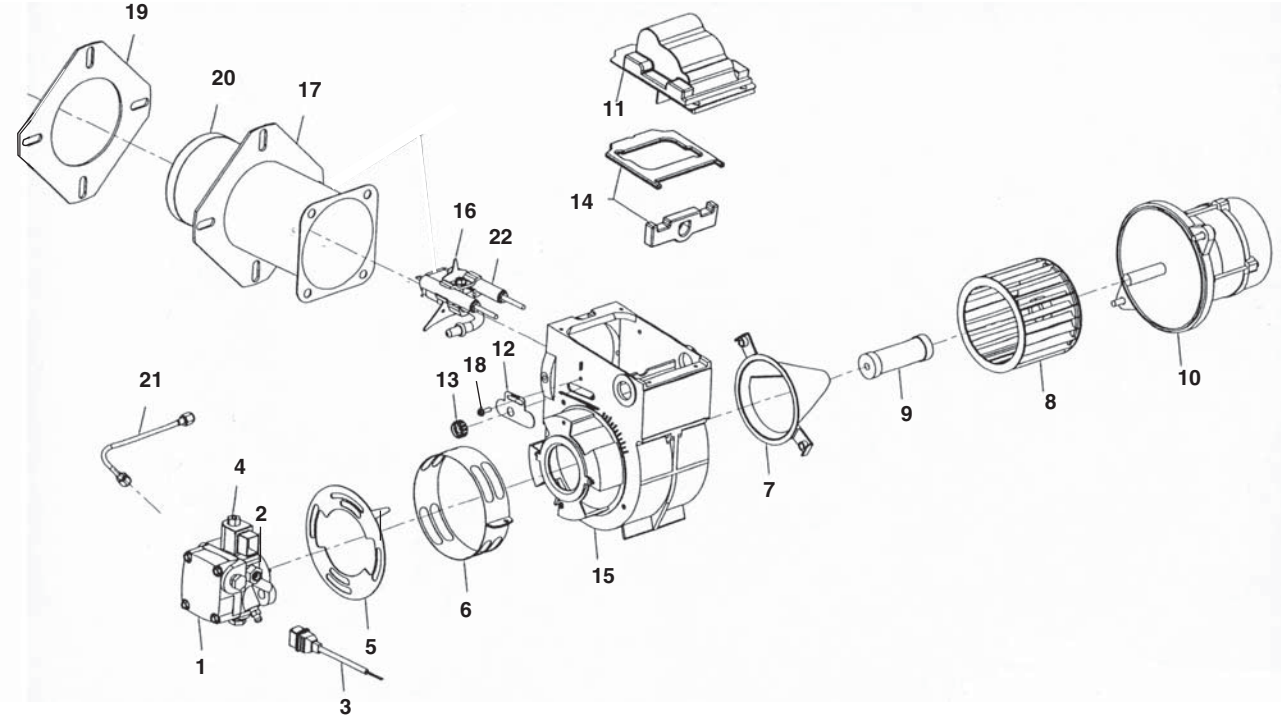
8.750-238.0
BXD2020E, 1.9@2000PSI, 5/8 Shaft



ITEM	PART NO.	DESCRIPTION	QTY
1	8.725-556.0	KIT, VALVE	1
2	8.725-557.0	KIT, SUCTION VALVE	1
3	8.725-558.0	KIT, CHECK VALVE	1
4	8.725-559.0	KIT, INJECTOR BODY	1
5	8.725-560.0	KIT, CHEMICAL COUPLING	1
6	8.725-561.0	KIT, EASY START	1
7	8.725-562.0	KIT, COMPLETE VALVE KIT	1
8	8.725-563.0	KIT, PISTON SEAL	1
9	8.725-564.0	OIL SITE GLASS	1
10	8.725-565.0	O'RING	1
11	8.725-566.0	OIL CAP	1
12	8.725-567.0	KNOB	1

BECKETT BURNER EXPLODED VIEW

8.717-086.0
Burner Assembly



BECKETT BURNER EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	9.802-645.0	Fuel Pump w/120V Solenoid	1
	9.802-666.0	Strainer Kit w/Gasket	1
2	9.802-640.0	Solenoid Coil, 120V	1
3	9.802-643.0	Cordset	1
4	9.802-646.0	Fuel Solenoid Stem	1
5	9.802-654.0	Air Shutter	1
6	9.804-061.0	Air Band	1
7	9.802-650.0	Air Guide	1
8	9.802-649.0	Blower Wheel	1
9	9.802-648.0	Fan Coupling	1
10	9.802-642.0	Motor, 120V	1
	9.802-635.0	Motor, 230V	1
11	9.802-647.0	Ignitor Assy Complete, 120V	1
	9.802-661.0	Transformer, 230V	1
	9.802-665.0	Ignitor Only, 120V	1
12	8.750-491.0	Escutcheon Plate	1
13	9.802-657.0	Spline Nut	1

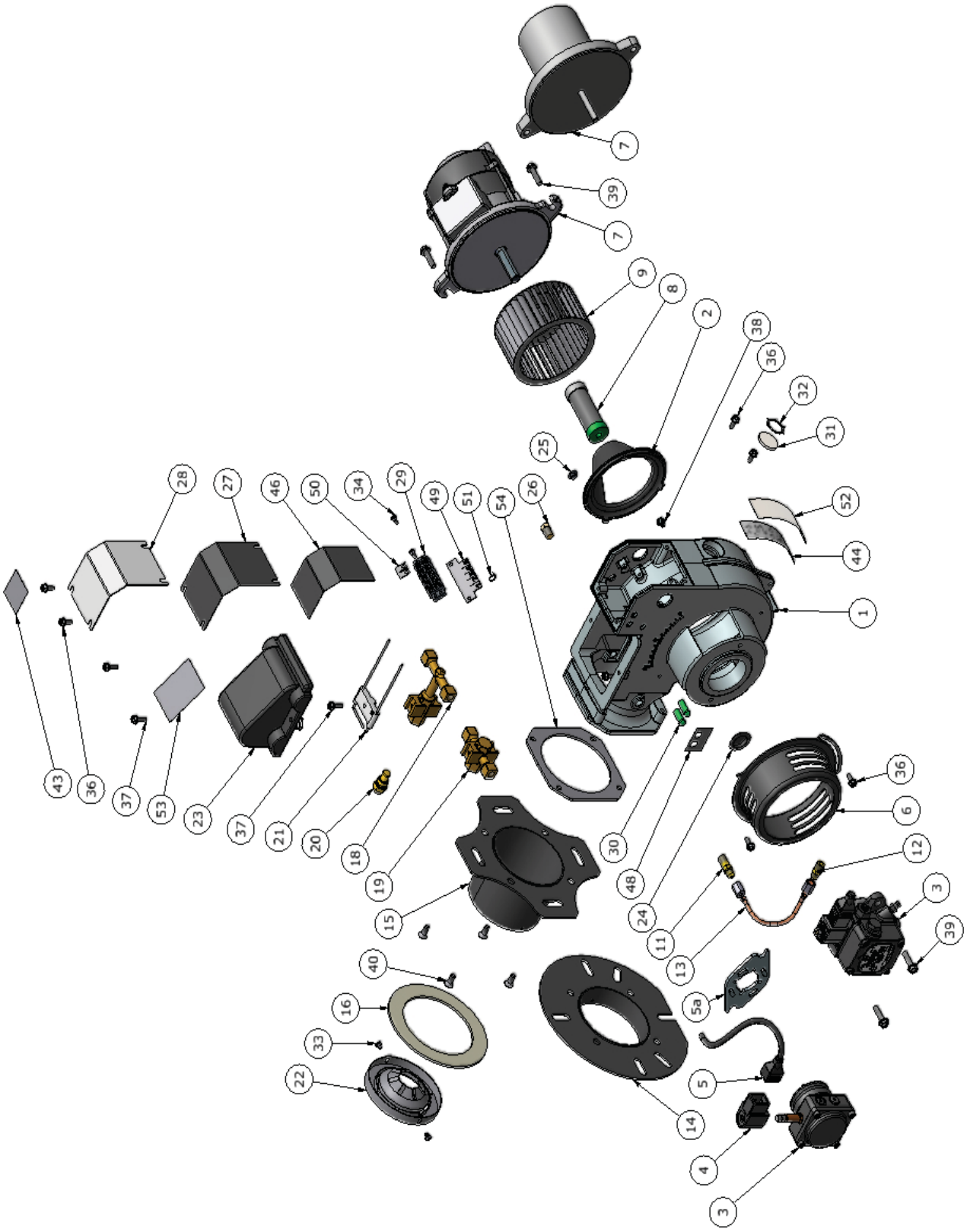
ITEM	PART NO.	DESCRIPTION	QTY
14	9.802-662.0	Gasket Kit, Ignitor	1
15	9.802-671.0	Burner Housing	1
16	8.750-492.0	Gun Assy Complete	1
17		Welded Insertion OR Flange	1
18	*	Escutcheon Plate Screw	1
19	9.802-653.0	Burner Gasket	2
20	9.802-655.0	Air Cone, F6 (9.802-558.0)	1
	9.802-634.0	Air Cone, F22 (9.802-557.0, 9.802-561.0)	1
21	9.802-667.0	Connector Tube Assy, 8"	1
22	9.802-670.0	Electrode Kit	1

* Shown For Reference Only

BURNER LANDA SURE FIRE EXPLODED VIEW

Replacement Parts

For best performance specify genuine KNA replacement parts



BURNER LANDA SURE FIRE PARTS LIST

Replacement Parts

For best performance specify genuine KNA replacement parts

Item #	Part #	Description	Qty
1	8.919-050.0	BURNER HOUSING ASSEMBLY	1
2	8.751-160.0	AIR GUIDE	
3	8.700-758.0	FUEL PUMP, SUNTEC A2VA-3106 12-24V SOL	1
3	8.700-759.0	FUEL PUMP, SUNTEC A2VA-3106 120V SOL	1
3	8.700-760.0	FUEL PUMP, SUNTEC A2VA-3106 230V SOL	1
3	8.753-000.0	FUEL PUMP, DANFOSS 071N1298	1
4	8.750-762.0	COIL, SOLENOID DANFOSS 230V	1
4	8.750-763.0	COIL, SOLENOID DANFOSS 115V	1
4	8.750-764.0	COIL, SOLENOID DANFOSS 12-24V	1
5	8.750-765.0	CABLE, SOLENOID COIL, DANFOSS	1
5a	8.750-783.0	MOUNTING KIT, FLANGE/HUB, DANFOSS	1
6	8.750-541.0	AIR BAND	1
7	8.750-517.0	MOTOR, 1/6 HP 115V 60Hz	1
7	8.750-518.0	MOTOR, 1/6 HP 230V 60Hz	1
7	8.751-074.0	MOTOR, 1/7 HP 12VDC AMETEK	1
8	8.750-543.0	COUPLING, FLEX, 1/2" x 5/16"	1
8	8.751-073.0	COUPLING, FLEX, 5/16" x 5/16"	1
9	8.750-520.0	FAN, 4.53" X 2.42", 1/2" BORE, F115-62S	1
9	8.751-072.0	FAN, 4.53" x 2.42" x .313 BORE, F115-625	1
11	8.750-547.0	CONNECTOR, 37 DEG FLARE X 1/8" NP LONG	1
12	8.750-545.0	CONNECTOR, 37 DEG FLARE X 1/8" NPT	1
13	8.749-000.0	FUEL LINE ASSEMBLY	1
14	8.918-864.0	FLANGE 1" TUBE ASSY, BURNER	1
15	8.918-866.0	FLANGE 3" TUBE ASSY, BURNER	1
16	8.750-539.0	GASKET, FLANGE	1
17	8.750-528.0	DISK, STATIC 2.00	1
17	8.918-868.0	DISK, STATIC 2.75	1
17	8.918-869.0	DISK, STATIC 2.50	1
17	8.918-870.0	DISK, STATIC 2.25	1
18	8.750-526.0	GUN, ELECTRODE / NOZZLE, 3"	1
19	8.750-525.0	GUN, ELECTRODE / NOZZLE, 1"	1
20	Varies	NOZZLE, FUEL	1
21	8.750-778.0	ELECTRODE, IGNITION	1
22	8.750-779.0	CONE, AIR F4	1
22	8.750-782.0	CONE, AIR F6	1
22	8.750-780.0	CONE, AIR F12	1
22	8.750-781.0	CONE, AIR F22	1
23	8.919-114.0	IGNITOR, BURNER 120V	1
23	8.919-115.0	IGNITOR, BURNER 230V	1
23	8.919-116.0	IGNITOR, BURNER 12VDC	1
24	8.751-165.0	PLUG, HOLE 0.875 PLASTIC	1
25	8.750-830.0	PLUG, HOLE 0.285 PLASTIC	1
26	8.751-134.0	PLUG, 1/8" NPT x HEX SHOULDER	1
27	8.918-454.0	GASKET, JUNCTION BOX	1
28	8.750-542.0	COVER, JUNCTION BOX	1
29	8.750-116.0	BLOCK, TERMINAL, 5 POLE	1
30	8.750-817.0	LIGHT, INDICATOR, GREEN 14V	2
30	8.750-818.0	LIGHT, INDICATOR, GREEN 28V	1
30	8.750-819.0	LIGHT, INDICATOR, GREEN 125V	1
30	8.750-820.0	LIGHT, INDICATOR, GREEN 250V	1
31	8.750-784.0	SITE GLASS	1
32	8.750-785.0	RING, PUSH ON INTERNAL, 1305-112	1
33	8.733-001.0	SCREW, 8 x 1/4" HI LOW THREAD CUT, PPH	2
34	8.718-762.0	SCREW, 8-32 X 1/2", M PH RDH PL	2
35	8.750-769.0	SCREW, 8/32 X 3/8" PH	1
36	8.718-810.0	SCREW, 10/32 x 1/2", WHIZ LOC FLANGE	6
37	8.750-770.0	SCREW, 10/32 x 5/8", WHIZ LOC FLANGE	3
38	8.750-816.0	SCREW, 10/32 X 1/4" GROUNDING	1
39	8.750-768.0	SCREW, 1/4-20 x 1", WHIZ LOC FLANGE	4
40	8.750-771.0	SCREW, 1/4-20 X 1/2", PHIL FHMS	4
42	—	LABEL, BRAND NAME	1
43	9.801-268.0	LABEL, DISCONNECT POWER SUPPLY	1
44	—	LABEL, SERIAL PLATE	1
46	9.807-339.0	LABEL, WIRING DIAGRAM, BURNER 115V-115V	1
46	9.807-340.0	LABEL, WIRING DIAGRAM, BURNER 230V-230V	4
46	9.807-341.0	LABEL, WIRING DIAGRAM, BURNER 230V-115V	1
46	9.807-342.0	LABEL, WIRING DIAGRAM, BURNER 115V-24V	1
46	9.807-343.0	LABEL, WIRING DIAGRAM, BURNER 230V-24V	1
46	9.807-344.0	LABEL, WIRING DIAGRAM, BURNER 12VDC	1
48	9.801-274.0	LABEL, BURNER LIGHTS	1
49	8.919-105.0	PLATE, TERMINAL BLOCK NUMBERS	1
50	8.716-451.0	TERMINAL, JUMPER SPADE	1
51	9.802-510.0	CABLE, TIE, 4" BLACK	2
52	9.807-348.0	LABEL, CLEAR MYLAR	1
53	9.807-345.0	LABEL, IGNITER 120V	1
53	9.807-346.0	LABEL, IGNITER 230V	1
53	9.807-347.0	LABEL, IGNITOR 12VDC	1

LANDA®

LANDA LIMITED NEW PRODUCT WARRANTY
PRESSURE WASHERS

WHAT THIS WARRANTY COVERS

All LANDA pressure washers are warranted by LANDA to the original purchaser to be free from defects in materials and workmanship under normal use, for the periods specified below. This Limited Warranty is subject to the exclusions shown below, is calculated from the date of the original purchase, and applies to the original components only. Any parts replaced under this warranty will assume the remainder of the part's warranty period.

SEVEN YEAR PARTS AND ONE YEAR LABOR WARRANTY:

Components manufactured by LANDA, such as frames, handles, top and bottom wraps, float tanks, fuel tanks, belt guards, and internal components on the oil-end of Landa manufactured pumps. General, AR, Liberty, Comet and swash and wobble plate pumps have a one year warranty. Heating coils have a five year warranty from date of original machine purchase.

TWO YEAR PARTS WARRANTY:

Legacy electric motors carry a two year parts warranty against manufacturer's defect. Landa is the authorized warranty and service center for Legacy electric motors when used on Landa products. Landa may request motor to be returned.

ONE YEAR PARTS AND ONE YEAR LABOR WARRANTY:

All other components, excluding normal wear items as described below, will be warranted for one year on parts and labor. Parts and labor warranty on these parts will be for one year regardless of the duration of the original component manufacturer's part warranty.

WARRANTY PROVIDED BY OTHER MANUFACTURERS:

Motors, generators, and engines, which are warranted by their respective manufacturers, are serviced through these manufacturers' local authorized service centers. LANDA is not authorized and has no responsibility to provide warranty service for such components.

WHAT THIS WARRANTY DOES NOT COVER

This warranty does not cover the following items:

1. Normal wear items, such as nozzles, spray guns, discharge hoses, wands, quick couplers, seals, filters, gaskets, O-rings, packings, pistons, pump valve assemblies, strainers, belts, brushes, rupture disks, fuses, pump protectors.
2. Damage or malfunctions resulting from accidents, abuse, modifications, alterations, incorrect installation, improper servicing, failure to follow manufacturer's maintenance instructions, or use of the equipment beyond its stated usage specifications as contained in the operator's manual.
3. Damage due to freezing, chemical deterioration, scale build up, rust, corrosion, or thermal expansion.
4. Damage to components from fluctuations in electrical or water supply.
5. Normal maintenance service, including adjustments, fuel system cleaning, and clearing of obstructions.
6. Transportation to service center, field labor charges, or freight damage.

WHAT YOU MUST DO TO OBTAIN WARRANTY SERVICE

While not required for warranty service, we request that you register your LANDA pressure washer by returning the completed registration card. In order to obtain warranty service on items warranted by LANDA, you must return the product to your Authorized LANDA Dealer, freight prepaid, with proof of purchase, within the applicable warranty period. If the product is permanently installed, you must notify your Authorized LANDA Dealer of the defect. Your Authorized LANDA Dealer will file a claim with Landa, who must subsequently verify the defect. In most cases, the part must be returned to LANDA freight prepaid with the claim. For warranty service on components warranted by other manufacturer's, your Authorized LANDA Dealer can help you obtain warranty service through these manufacturers' local authorized service centers.

LIMITATION OF LIABILITY

LANDA'S liability for special, incidental, or consequential damages is expressly disclaimed. In no event shall LANDA'S liability exceed the purchase price of the product in question. LANDA makes every effort to ensure that all illustrations and specifications are correct, however, these do not imply a warranty that the product is merchantable or fit for a particular purpose, or that the product will actually conform to the illustrations and specifications. Our obligation under this warranty is expressly limited at our option to the replacement or repair at a service facility or factory designated by us, of such part or parts as inspection shall disclose to have been defective. **THE WARRANTY CONTAINED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY.** LANDA does not authorize any other party, including authorized LANDA Dealers, to make any representation or promise on behalf of LANDA, or to modify the terms, conditions, or limitations in any way. It is the buyer's responsibility to ensure that the installation and use of LANDA products conforms to local codes. While LANDA attempts to assure that its products meet national codes, it cannot be responsible for how the customer chooses to use or install the product. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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